

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041938.D
 Acq On : 4 Aug 2019 11:51
 Operator : HP/JU
 Sample : K3850-07DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BENQ0DL

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:29 PM

Quant Time: Aug 05 02:04:42 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	89950	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	386137	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	273544	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	565608	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	550632	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	646246	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	1571	0.76	ng/uL	0.00
5) Phenol-d5	7.18	99	6044	0.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	19427	4.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	15243	2.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	6368	1.07	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	15182	5.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	15141	4.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	20341	2.99	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	4891	0.65	ng/ul	0.01
43) Dimethylphthalate-d6	14.09	166	114575	5.40	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	135139	5.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.91	143	1047m	0.29	ng/ul	0.04
57) Fluorene-d10	15.68	176	106485	5.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	401m	0.11	ng/ul	0.02
70) Anthracene-d10	17.54	188	161547	5.95	ng/ul	0.00
78) Pyrene-d10	19.83	212	188997	6.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	199899	5.92	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.91	128	51092	2.588	ng/ul 99
34) 2-Methylnaphthalene	12.52	142	51639	3.291	ng/ul 100
44) Dimethylphthalate	14.14	163	49112	2.331	ng/ul 98
49) Acenaphthene	14.76	153	103487	6.051	ng/ul 97
58) Fluorene	15.74	166	89843	4.370	ng/ul 98
69) Phenanthrene	17.49	178	1401038	45.247	ng/ul 95
71) Anthracene	17.58	178	347850	11.076	ng/ul 98
76) Fluoranthene	19.50	202	1491560	41.691	ng/ul 99
79) Pvrene	19.87	202	2159331	58.299	ng/ul 95
82) Benzo(a)anthracene	21.71	228	1364810	35.749	ng/ul 95
84) Chrysene	21.78	228	1400356	39.299	ng/ul 95
87) Benzo(b)fluoranthene	23.97	252	1274164	31.418	ng/ul 99
88) Benzo(k)fluoranthene	24.03	252	310125m	7.953	ng/ul
90) Benzo(a)pyrene	24.86	252	1108161	28.675	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	28.75	276	480057	10.650	ng/ul 97
92) Dibenzo(a,h)anthracene	28.80	278	171442	4.663	ng/ul 96
93) Benzo(g,h,i)perylene	29.91	276	495197	13.158	ng/ul 99

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

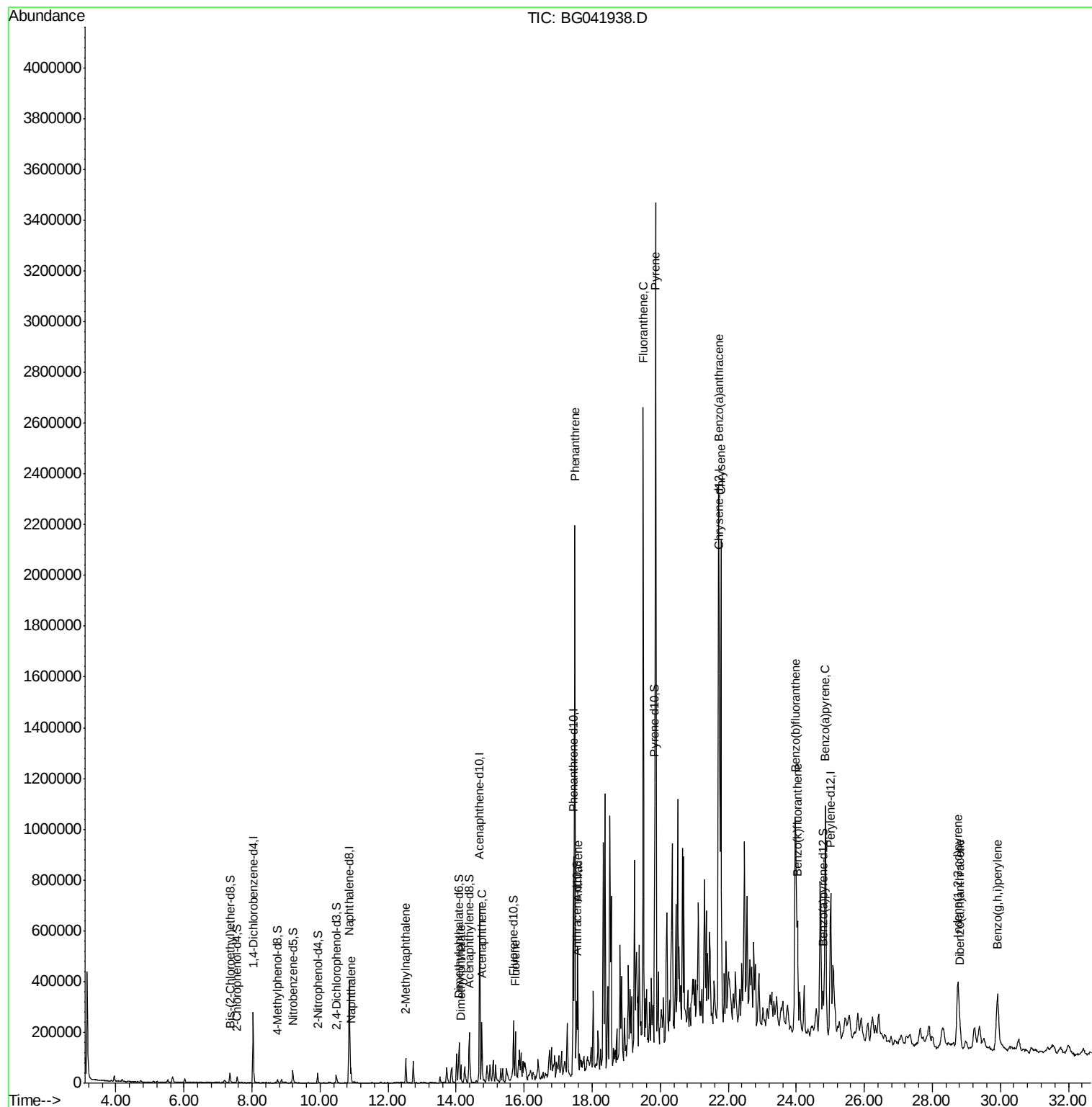
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

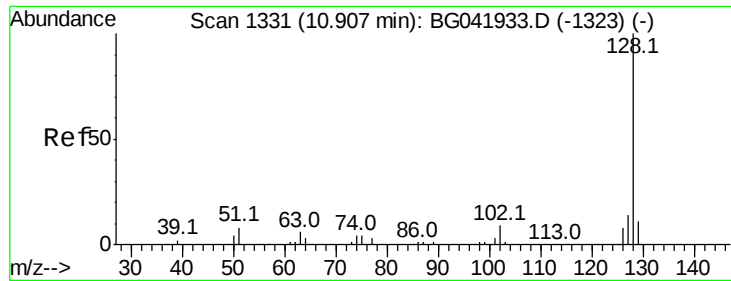
Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:29 PM

Quant Time: Aug 05 02:04:42 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





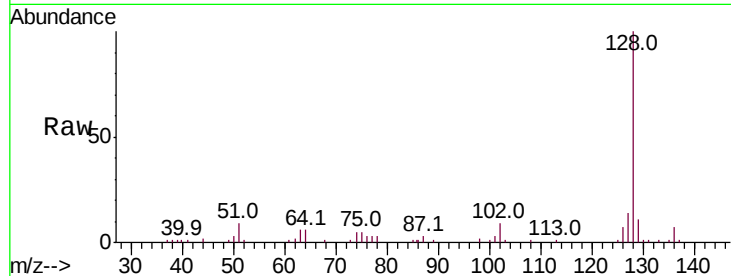
#28
Naphthalene
Concen: 2.588 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

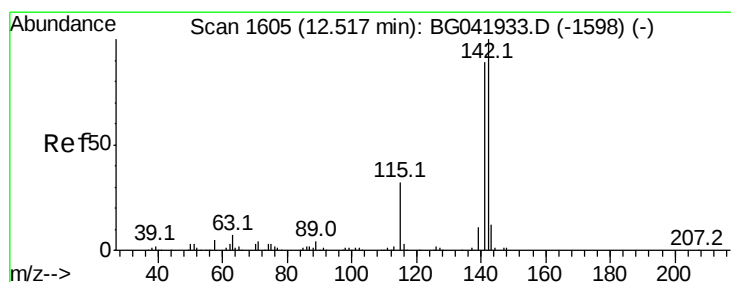
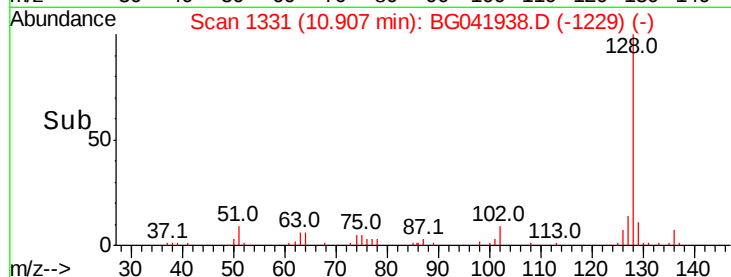
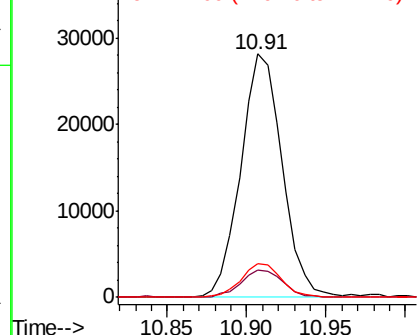
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	14.0	11.4	17.0

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:29 PM

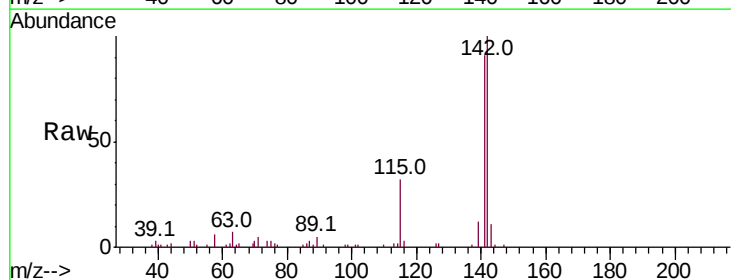


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

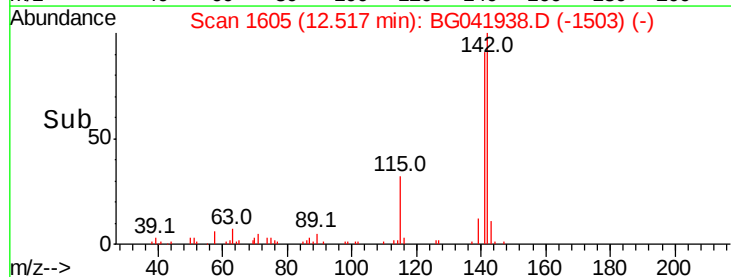
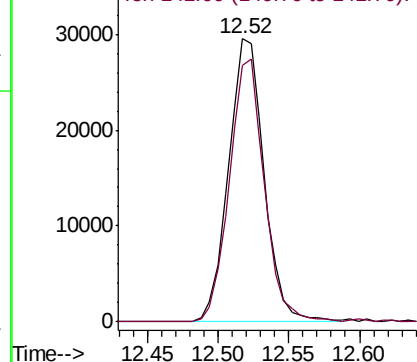


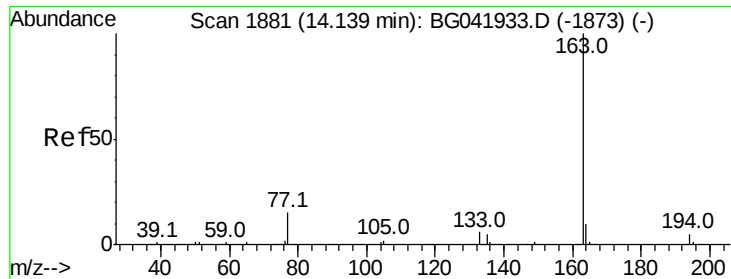
#34
2-Methylnaphthalene
Concen: 3.291 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.9	109.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





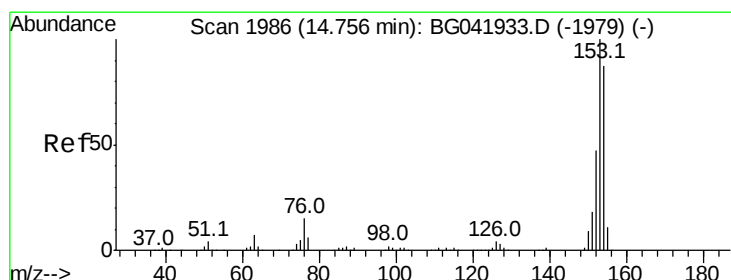
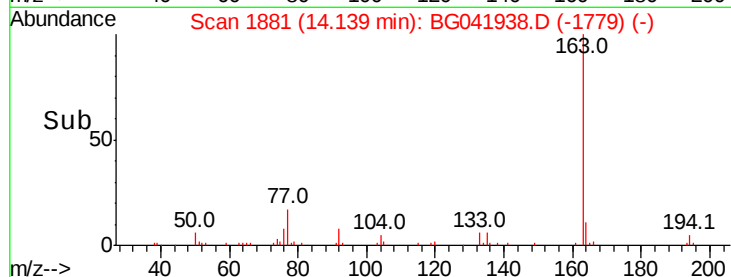
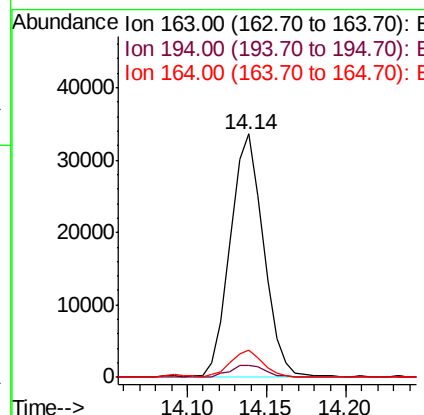
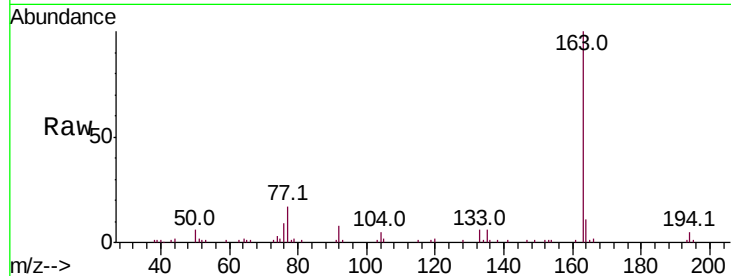
#44
Dimethylphthalate
Concen: 2.331 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. 0.00 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.2
164	11.0	7.8	11.8

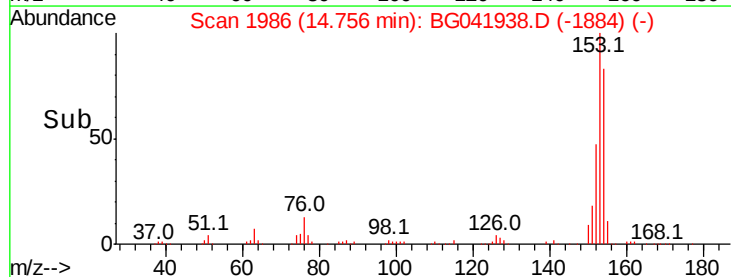
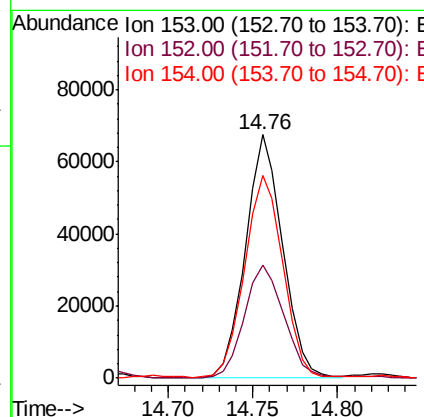
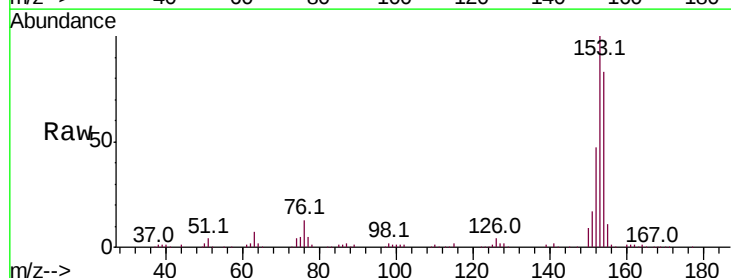
Manual Integrations
APPROVED

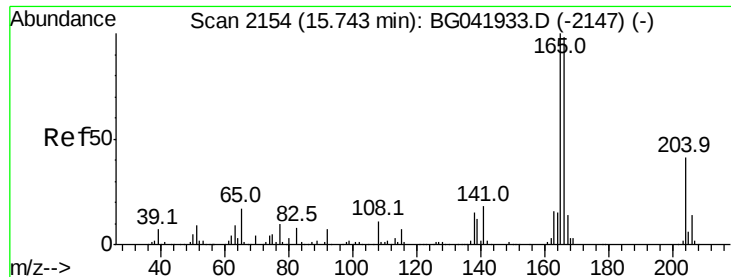
mohammad
8/6/2019 12:18:29 PM



#49
Acenaphthene
Concen: 6.051 ng/ul
RT: 14.76 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.6	37.8	56.8
154	83.2	69.4	104.2





#58

Fluorene

Concen: 4.370 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

Tot Ion:166 Resp: 89843

Ion Ratio Lower Upper

166 100

165 103.4 81.1 121.7

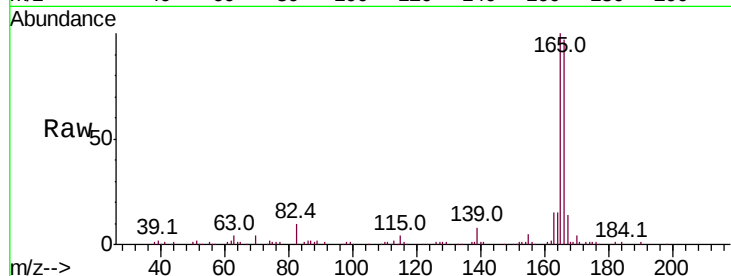
167 14.6 11.0 16.4

Manual Integrations

APPROVED

mohammad

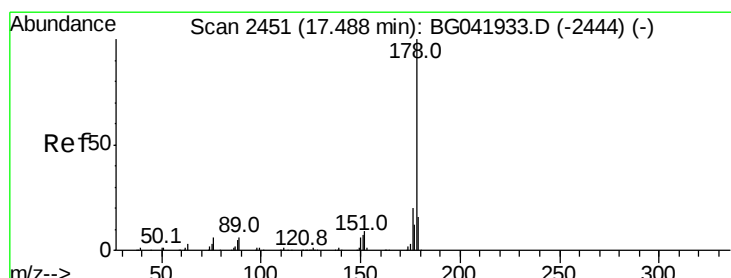
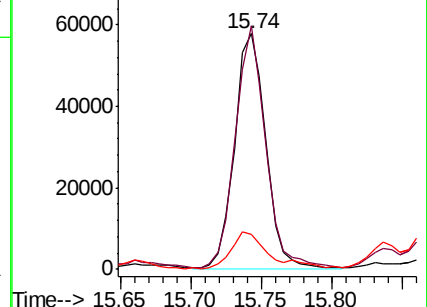
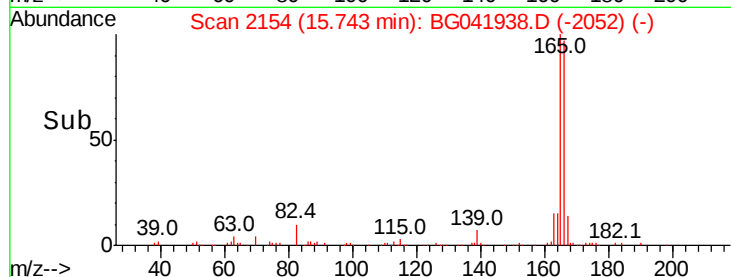
8/6/2019 12:18:29 PM



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: 45.247 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

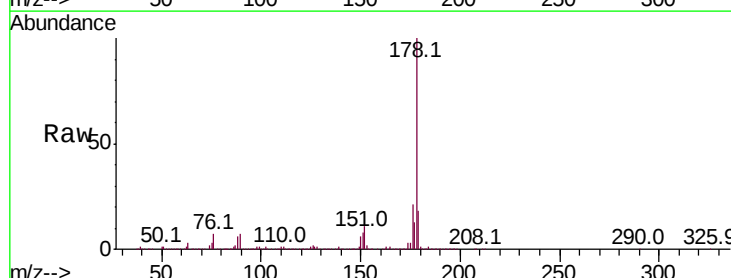
Tgt Ion:178 Resp: 1401038

Ion Ratio Lower Upper

178 100

179 18.1 12.8 19.2

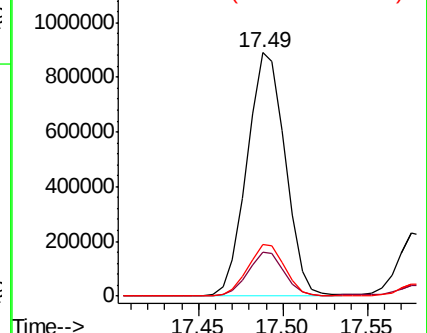
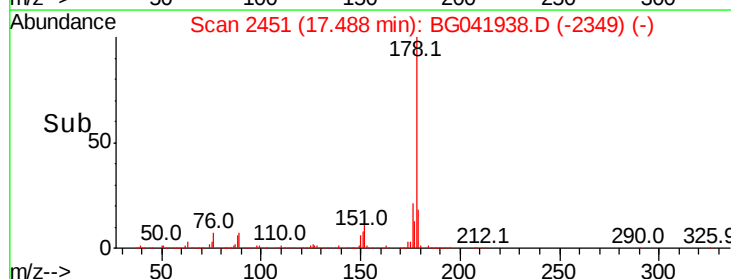
176 21.3 15.4 23.2

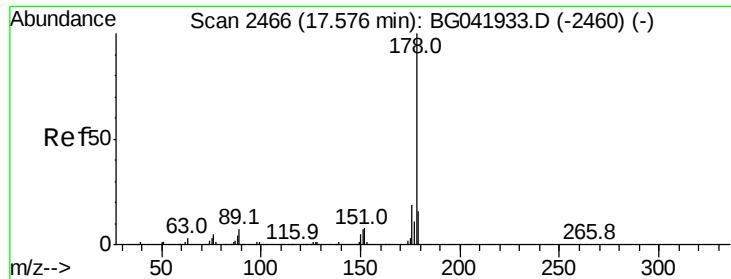


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





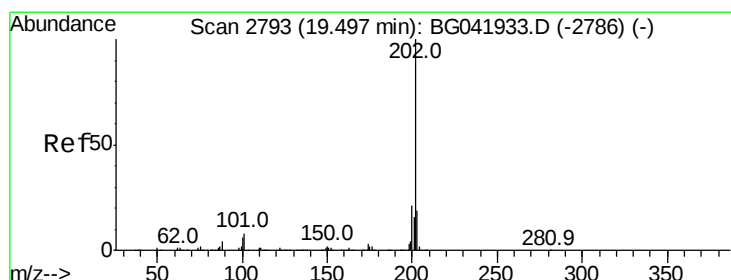
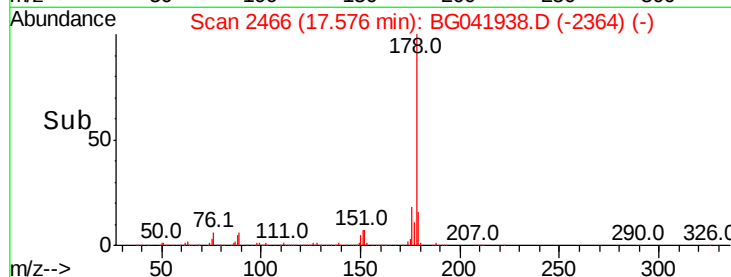
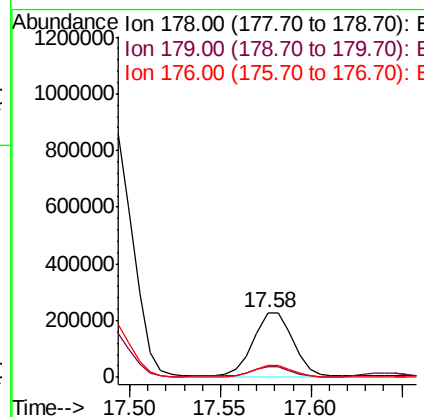
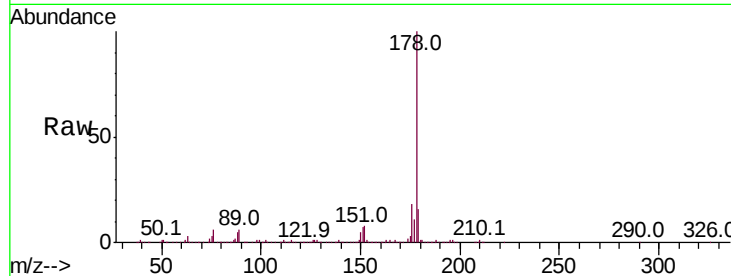
#71
 Anthracene
 Concen: 11.076 ng/ul
 RT: 17.58 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

Instrument :
 BNA_G
 ClientSampleId :
 BENQ0DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.4	20.0
176	18.2	15.4	23.2

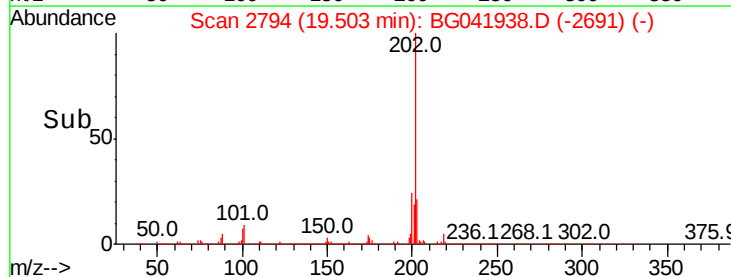
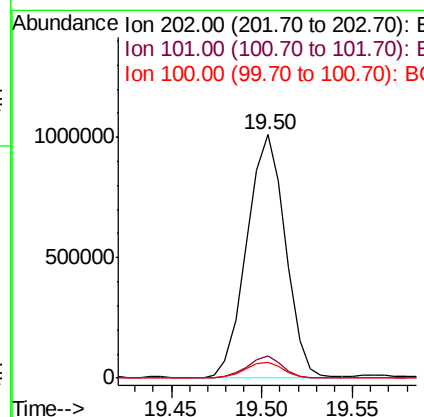
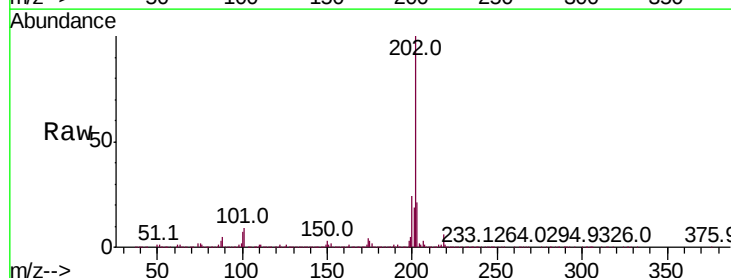
Manual Integrations
 APPROVED

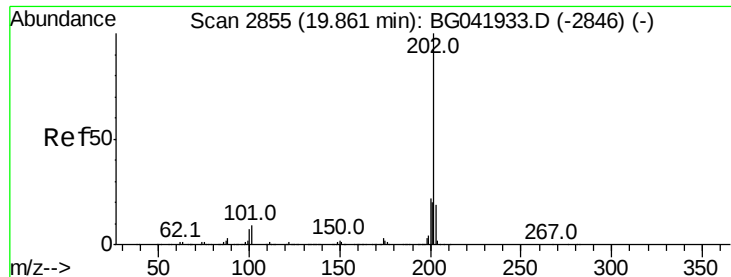
mohammad
 8/6/2019 12:18:29 PM



#76
 Fluoranthene
 Concen: 41.691 ng/ul
 RT: 19.50 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.7	10.1
100	6.7	5.3	7.9





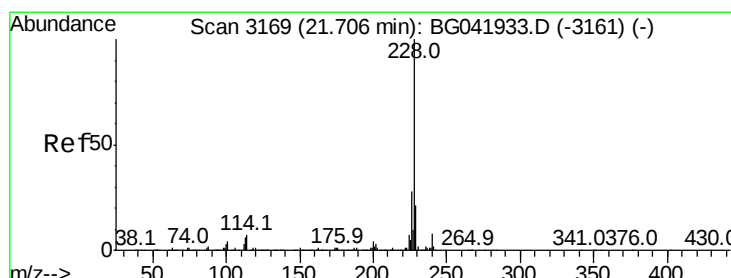
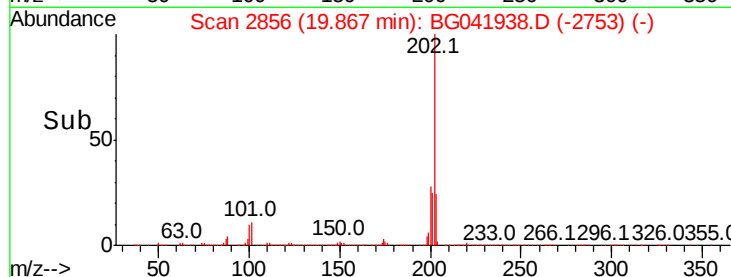
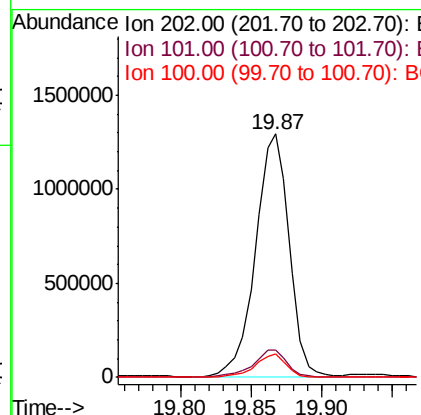
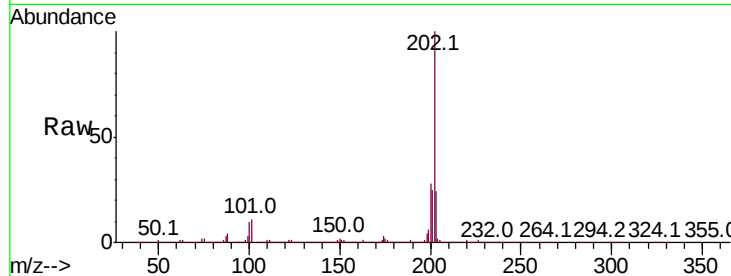
#79
Pvrene
Concen: 58.299 ng/ul
RT: 19.87 min Scan# 2856
Delta R.T. 0.01 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.6	11.4
100	9.5	6.5	9.7

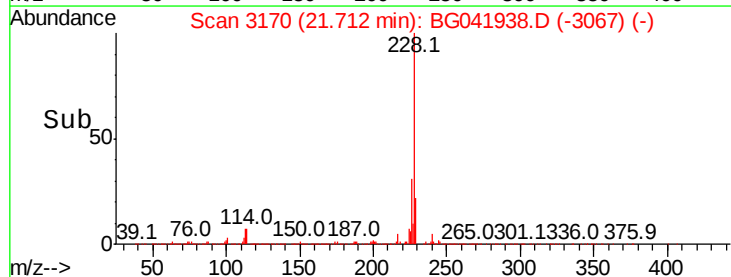
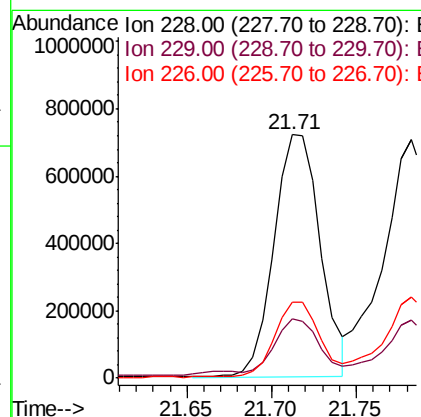
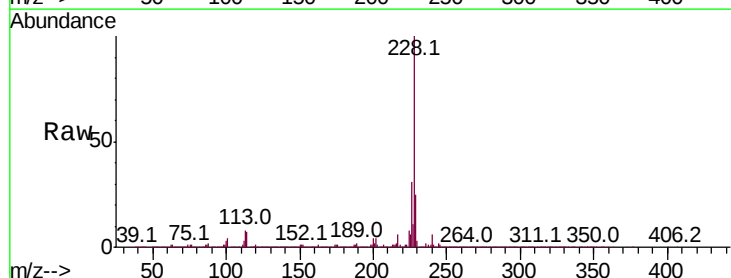
Manual Integrations
APPROVED

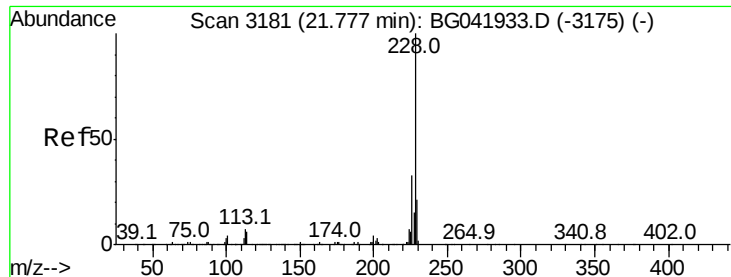
mohammad
8/6/2019 12:18:29 PM



#82
Benzo(a)anthracene
Concen: 35.749 ng/ul
RT: 21.71 min Scan# 3170
Delta R.T. 0.01 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.6	17.0	25.6
226	31.3	23.3	34.9





#84

Chrysene

Concen: 39.299 ng/ul

RT: 21.78 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

Instrument :

BNA_G

ClientSampleId :

BENQ0DL

Tot Ion:228 Resp: 1400356

Ion Ratio Lower Upper

228 100

226 34.0 25.7 38.5

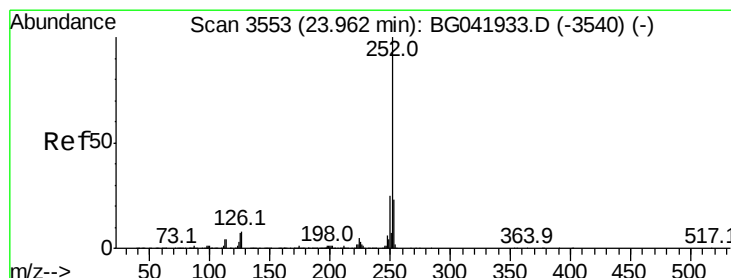
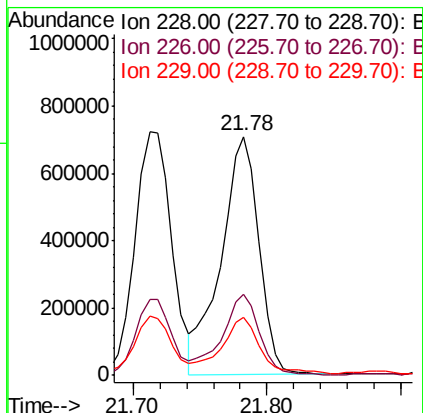
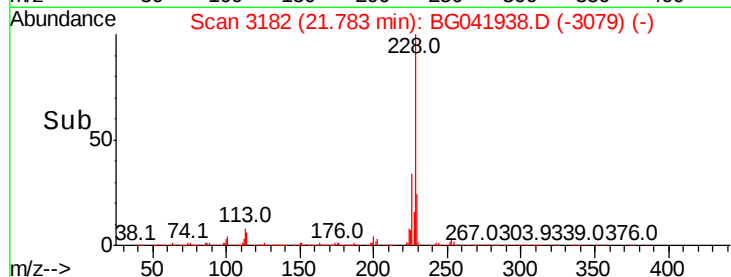
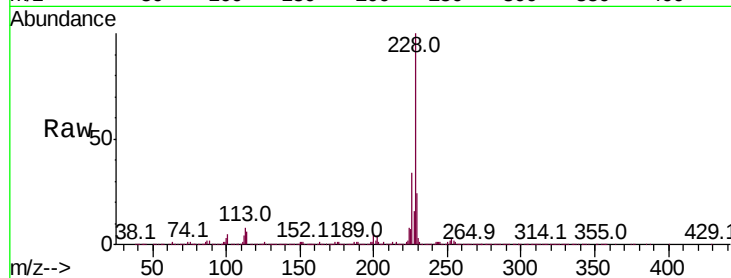
229 24.4 16.6 24.8

Manual Integrations

APPROVED

mohammad

8/6/2019 12:18:29 PM



#87

Benzo(b)fluoranthene

Concen: 31.418 ng/ul

RT: 23.97 min Scan# 3555

Delta R.T. 0.01 min

Lab File: BG041938.D

Acq: 4 Aug 2019 11:51

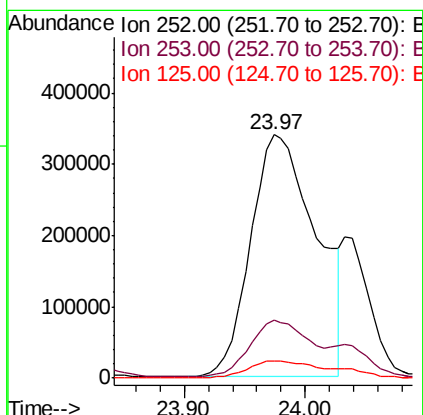
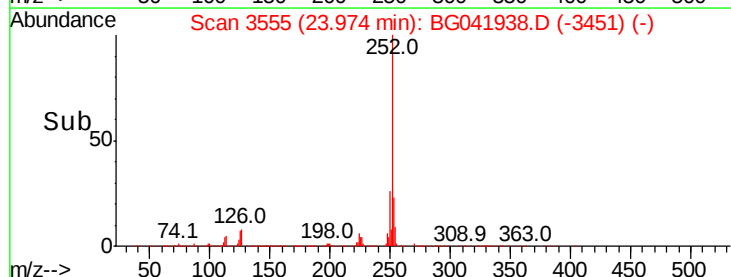
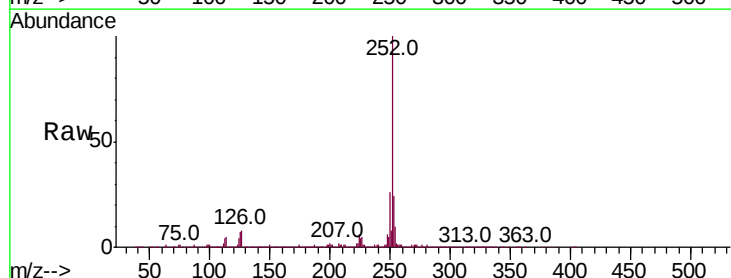
Tgt Ion:252 Resp: 1274164

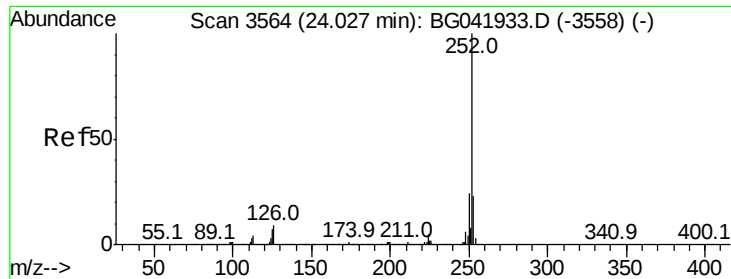
Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

125 7.0 5.8 8.8





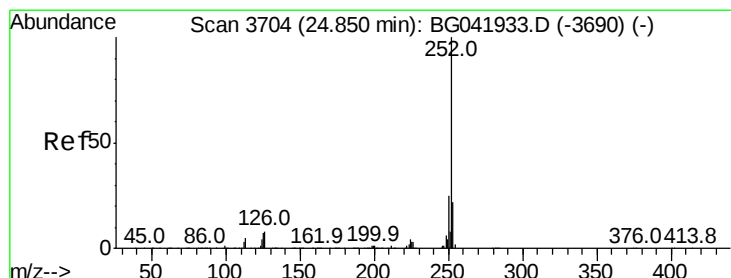
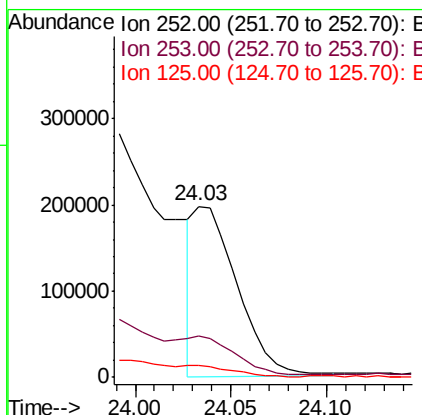
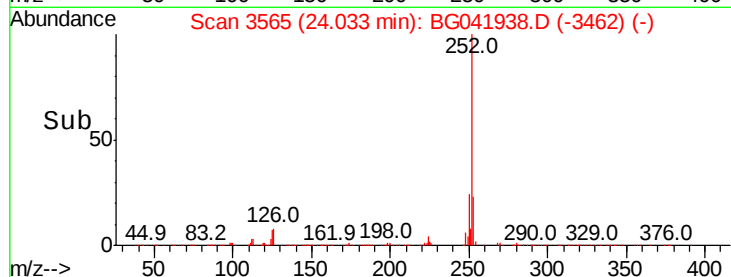
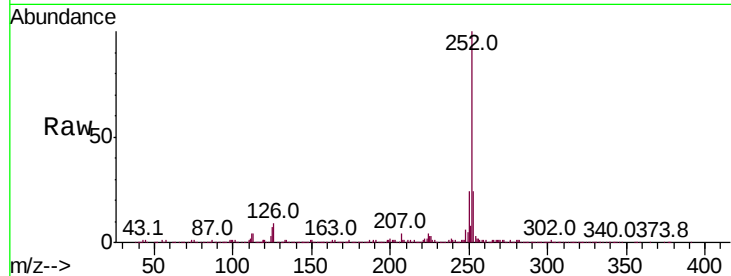
#88
Benzo(k)fluoranthene
Concen: 7.953 ng/ul m
RT: 24.03 min Scan# 3565
Delta R.T. 0.01 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.3	27.5
125	7.0	5.5	8.3

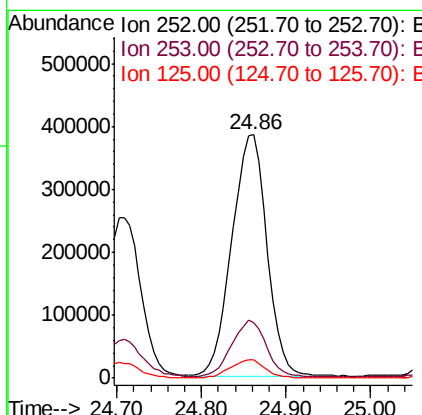
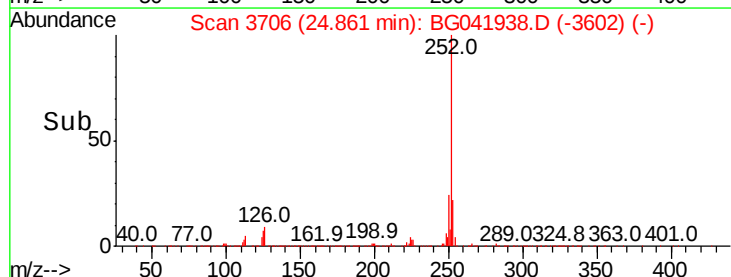
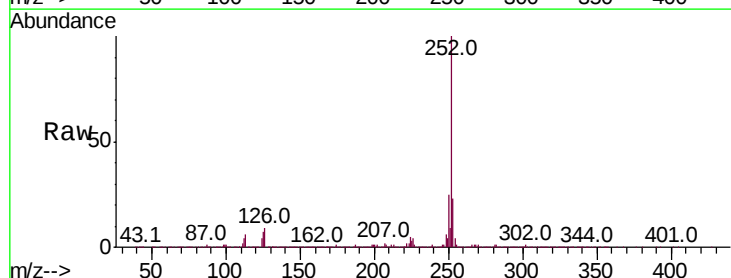
Manual Integrations
APPROVED

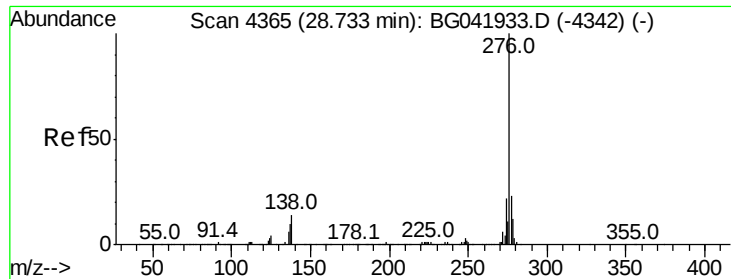
mohammad
8/6/2019 12:18:29 PM



#90
Benzo(a)pyrene
Concen: 28.675 ng/ul
RT: 24.86 min Scan# 3706
Delta R.T. 0.01 min
Lab File: BG041938.D
Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	7.4	6.5	9.7





#91

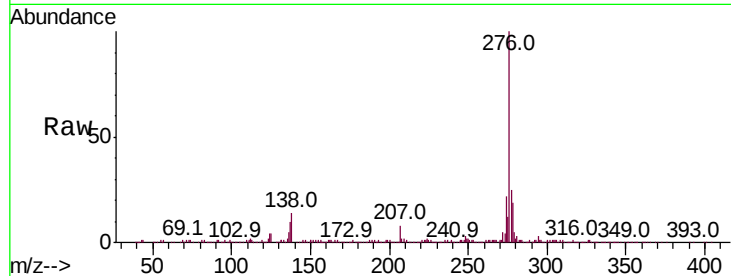
Indeno(1,2,3-cd)pyrene
 Concen: 10.650 ng/ul
 RT: 28.75 min Scan# 4368
 Delta R.T. 0.02 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

Instrument :
 BNA_G
 ClientSampled :
 BENQ0DL

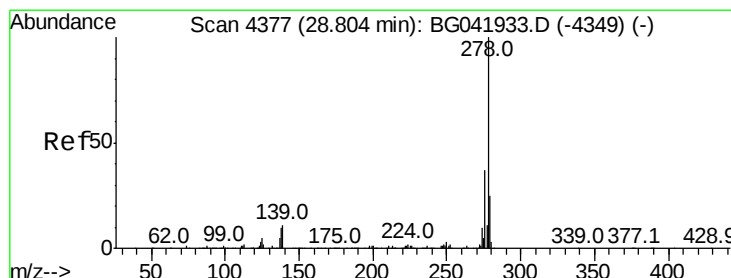
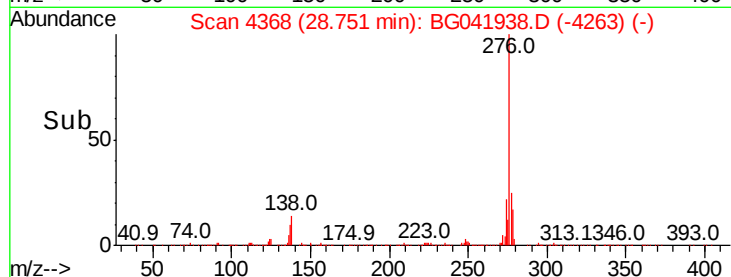
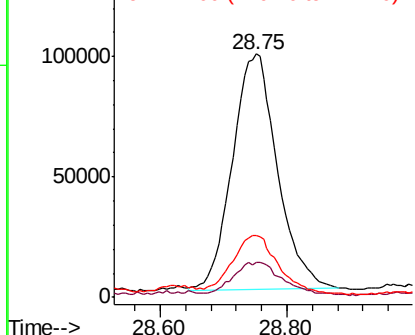
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	12.0	18.0
277	25.5	19.2	28.8

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:29 PM



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

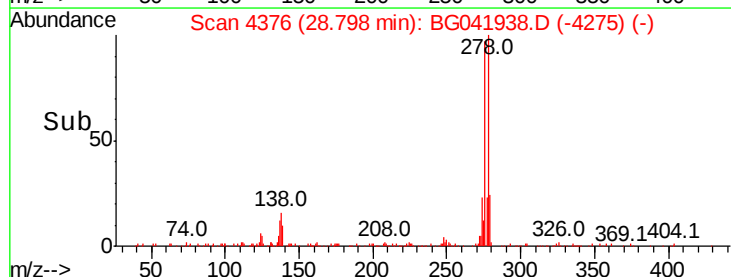
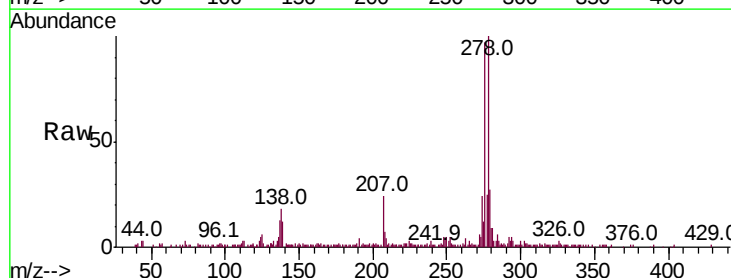
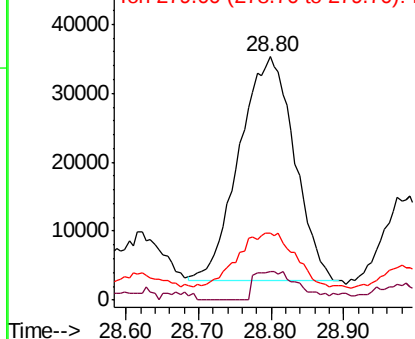


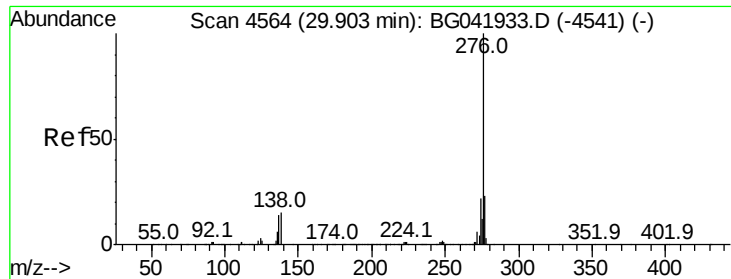
#92

Dibenzo(a,h)anthracene
 Concen: 4.663 ng/ul
 RT: 28.80 min Scan# 4376
 Delta R.T. -0.01 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.7	9.4	14.0
279	27.3	19.2	28.8

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(a,h,i)perylene
 Concen: 13.158 ng/ul
 RT: 29.91 min Scan# 4566
 Delta R.T. 0.01 min
 Lab File: BG041938.D
 Acq: 4 Aug 2019 11:51

Instrument :
 BNA_G
 ClientSampleId :
 BENQ0DL

Tot Ion:	276	Resp:	495197
Ion Ratio		Lower	Upper
276	100		
138	14.5	12.6	18.8
277	23.8	19.2	28.8

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:29 PM

