

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046363.D
 Acq On : 20 Aug 2020 3:28
 Operator : CG/JU
 Sample : L3633-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMA5

Manual Integrations
 APPROVED

mohammad
 8/20/2020 12:23:25 PM

Quant Time: Aug 20 10:55:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 04:05:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	111170	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	454551	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	298575	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	653678	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	646115	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	704817	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	186253	23.80	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	676132	24.61	ng/ul	0.00
10) Fluorene-d10	15.56	176	510646	24.25	ng/ul	0.00
15) Anthracene-d10	17.41	188	714007	23.56	ng/ul	0.00
19) Pyrene-d10	19.69	212	832551	25.03	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	949022	24.67	ng/ul	0.01
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	71327	3.017	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	34922	1.938	ng/ul	99
8) Acenaphthylene	14.29	152	77607	2.778	ng/ul	98
9) Acenaphthene	14.63	153	65476	3.282	ng/ul	99
11) Fluorene	15.61	166	84546	3.625	ng/ul	98
14) Phenanthrene	17.36	178	2242850m	62.369	ng/ul	
16) Anthracene	17.44	178	243069	6.699	ng/ul	99
17) Fluoranthene	19.36	202	2690564	67.099	ng/ul#	91
20) Pyrene	19.73	202	2694710m	63.537	ng/ul	
21) Benzo(a)anthracene	21.54	228	1114241	26.505	ng/ul	92
22) Chrysene	21.60	228	1528376	37.609	ng/ul	95
24) Benzo(b)fluoranthene	23.70	252	1929570	41.400	ng/ul	96
25) Benzo(k)fluoranthene	23.75	252	739921m	16.004	ng/ul	
27) Benzo(a)pyrene	24.53	252	1290284	30.154	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.19	276	1015308	18.950	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	221325	5.095	ng/ul	97
30) Benzo(g,h,i)perylene	29.28	276	841769	18.773	ng/ul	99

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

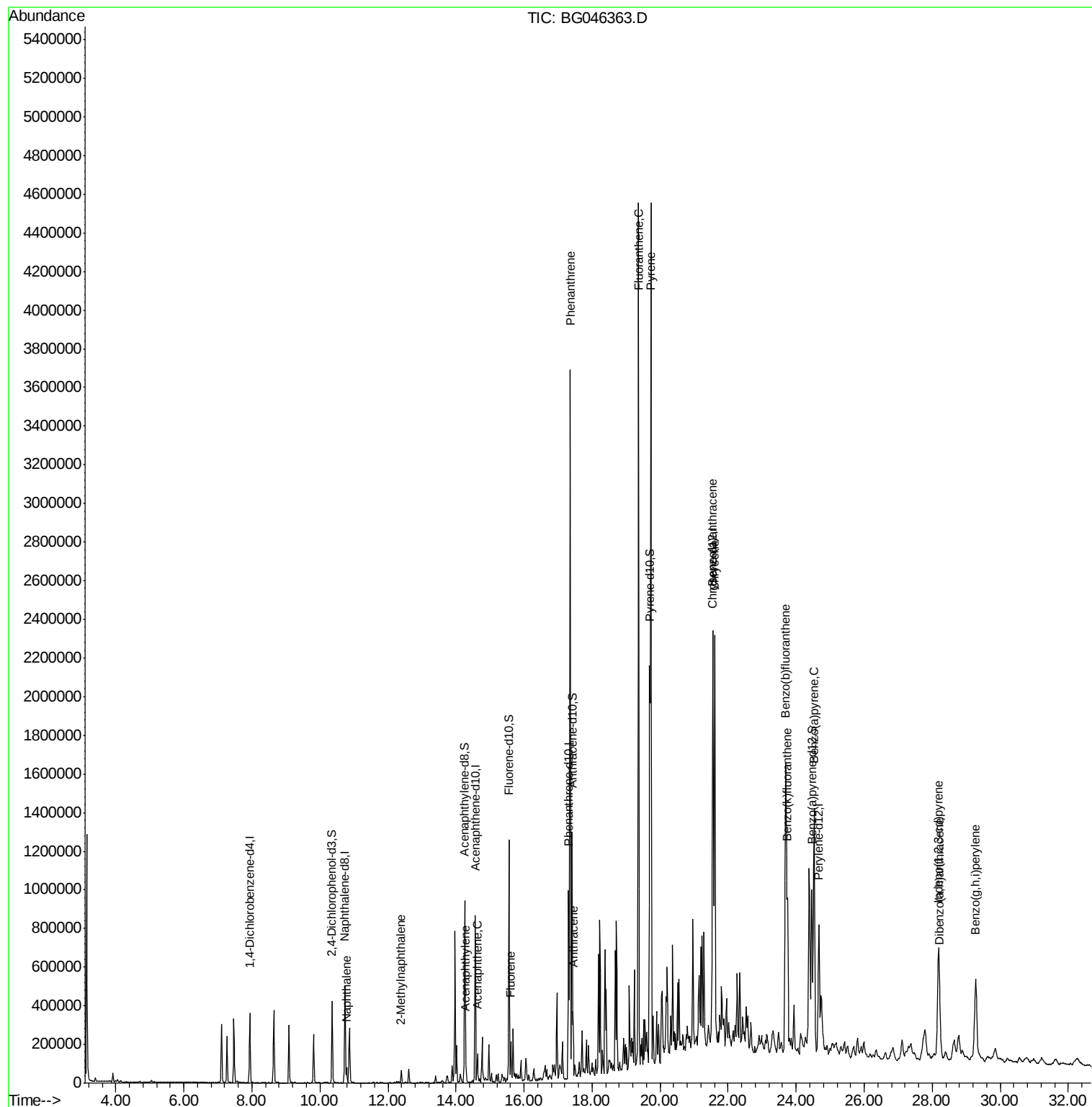
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046363.D
Acq On : 20 Aug 2020 3:28
Operator : CG/JU
Sample : L3633-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

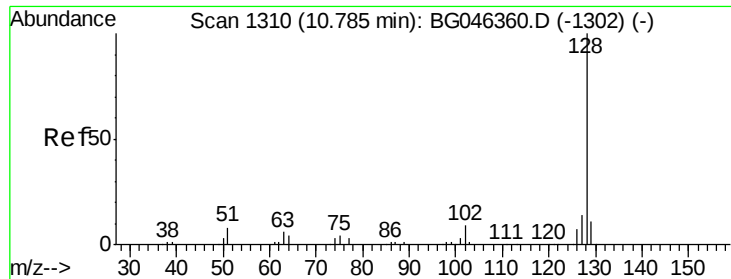
Instrument :
BNA_G
ClientSampleId :
BFMA5

Quant Time: Aug 20 10:55:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 04:05:44 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:25 PM





#4

Naphthalene

Concen: 3.017 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

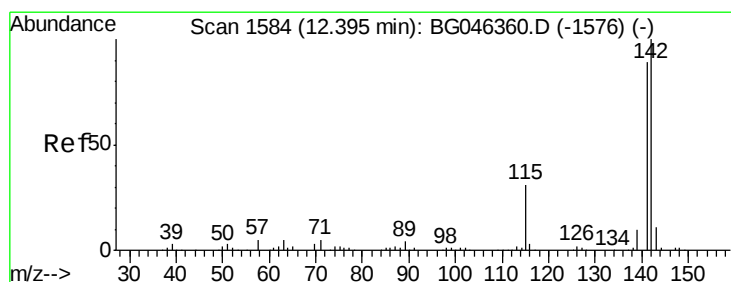
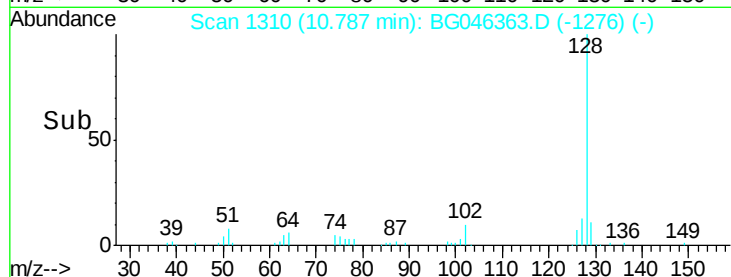
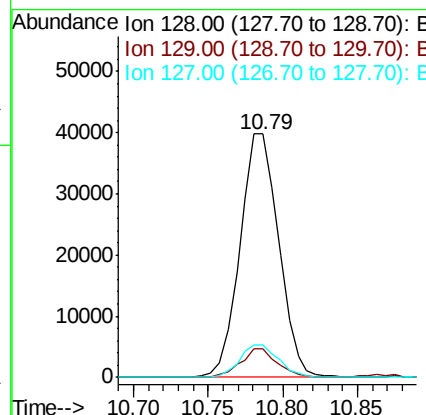
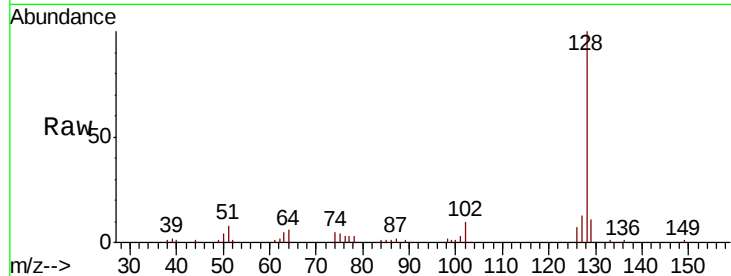
ClientSampleId :

BFMA5

Tot Ion:	128	Resp:	71327
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.6
127	13.2	10.9	16.3

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:25 PM



#5

2-Methylnaphthalene

Concen: 1.938 ng/ul

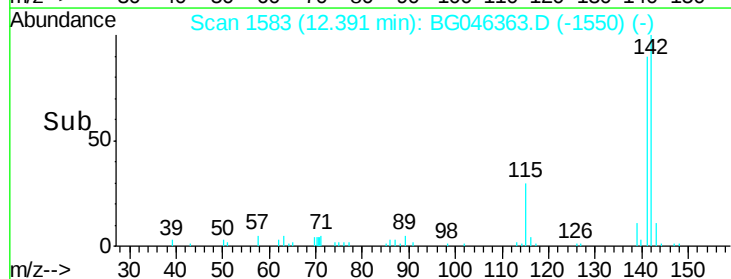
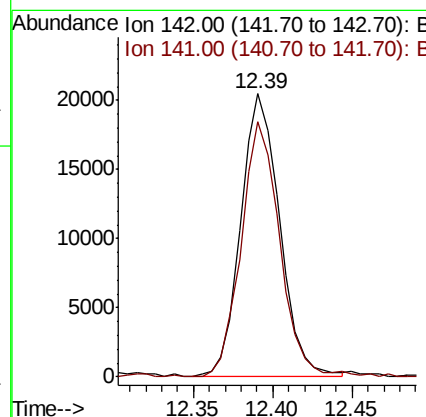
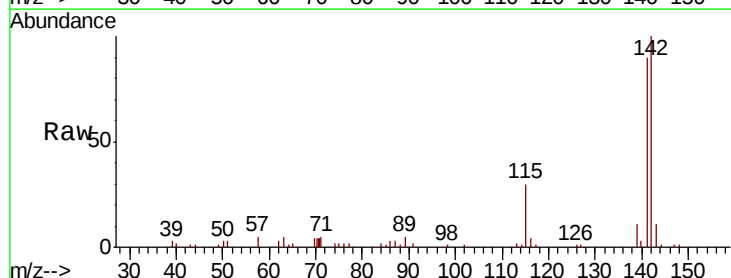
RT: 12.39 min Scan# 1583

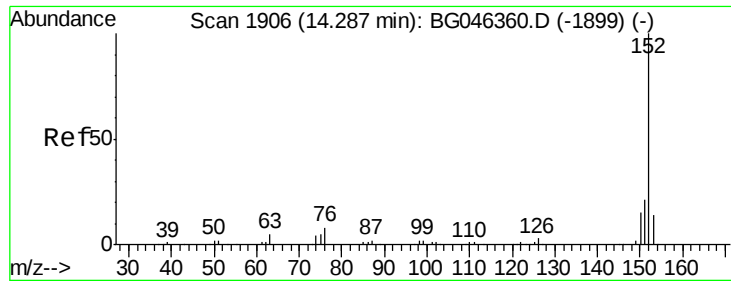
Delta R.T. -0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Tgt Ion:	142	Resp:	34922
Ion Ratio	Lower	Upper	
142	100		
141	90.1	72.5	108.7





#8

Acenaphthylene

Concen: 2.778 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

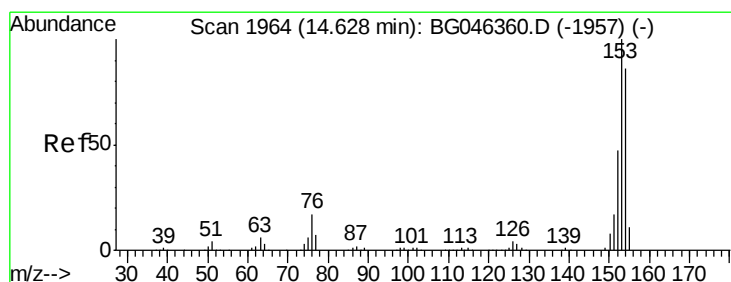
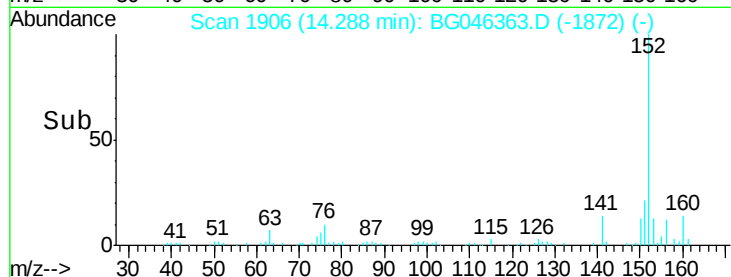
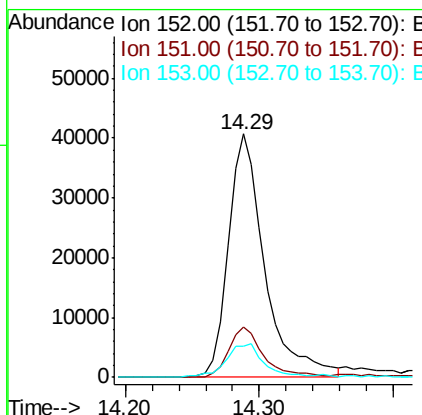
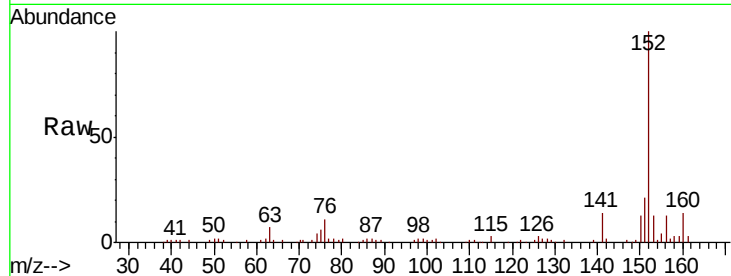
ClientSampled :

BFMA5

Tot Ion:	152	Resp:	77607
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.5	24.7
153	12.6	11.0	16.6

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:25 PM



#9

Acenaphthene

Concen: 3.282 ng/ul

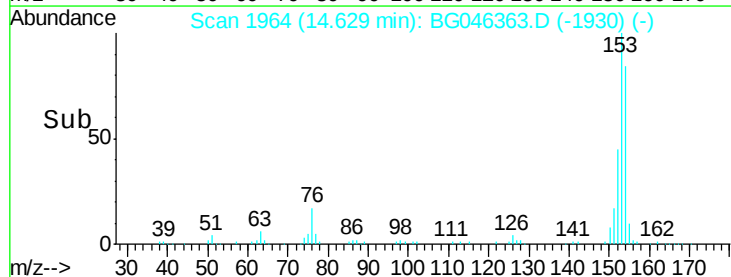
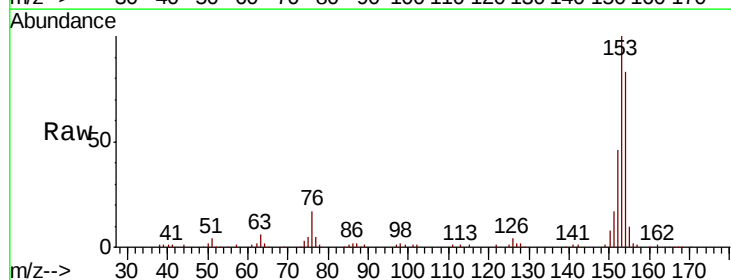
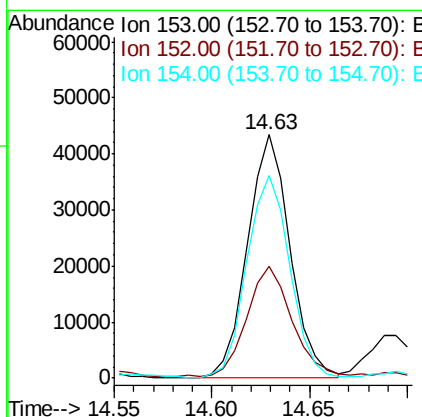
RT: 14.63 min Scan# 1964

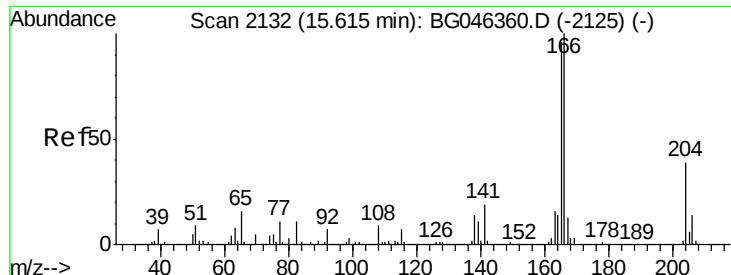
Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Tgt Ion:	153	Resp:	65476
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.2	55.8
154	83.4	67.8	101.6





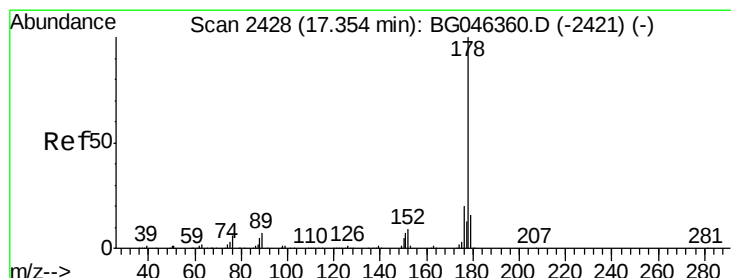
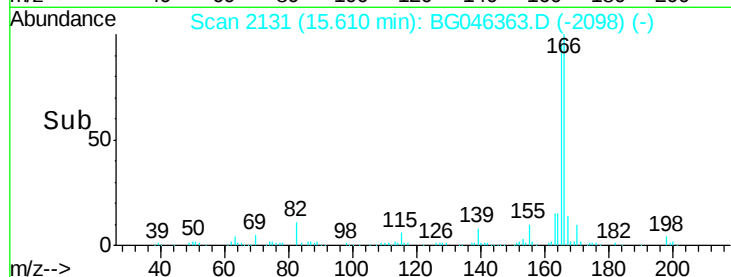
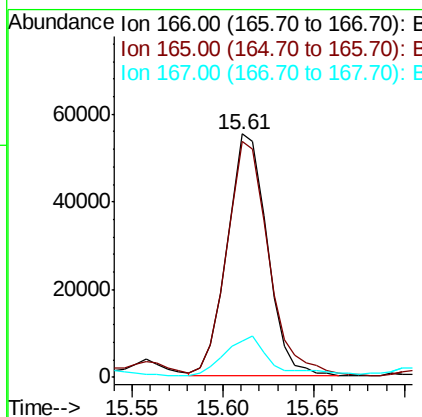
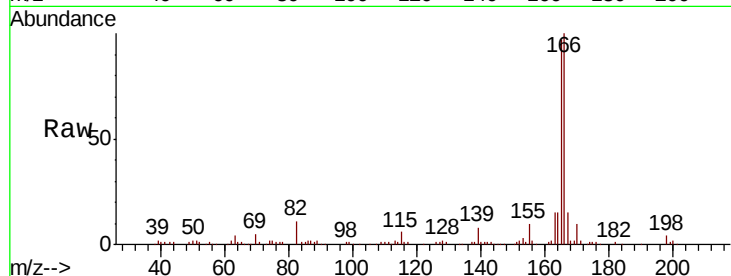
#11
Fluorene
 Concen: 3.625 ng/ul
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 BFMA5

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	75.9	113.9
167	15.1	10.7	16.1

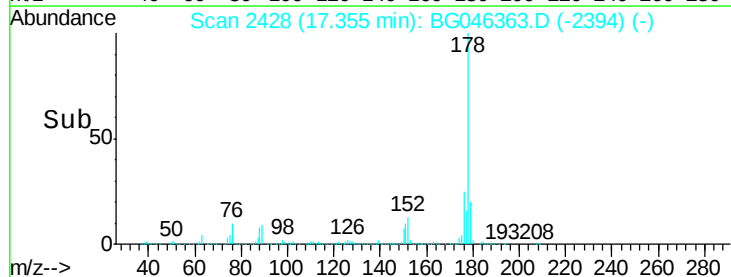
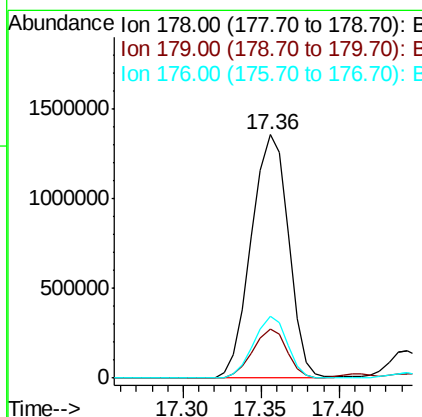
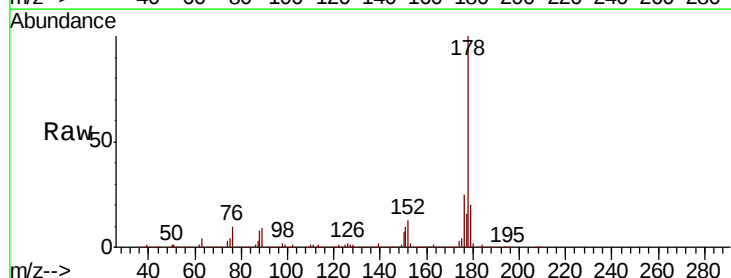
Manual Integrations
 APPROVED

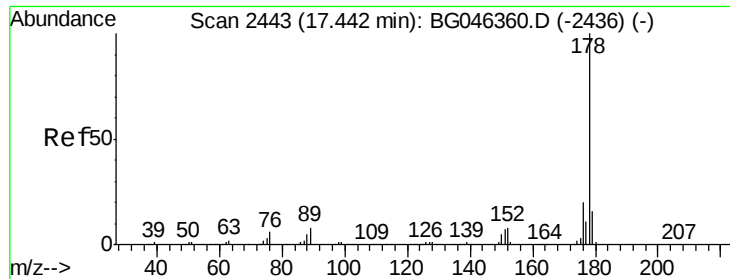
mohammad
 8/20/2020 12:23:25 PM



#14
Phenanthrene
 Concen: 62.369 ng/ul m
 RT: 17.36 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.4	12.8	19.2#
176	25.3	15.8	23.8#





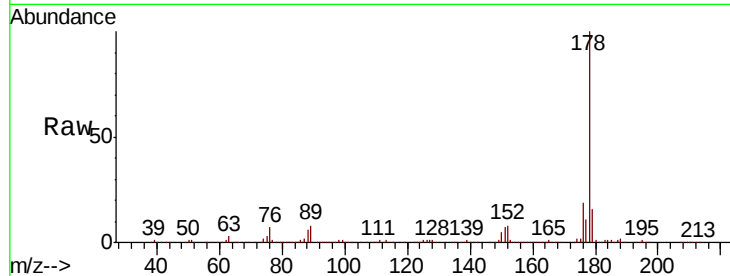
#16
 Anthracene
 Concen: 6.699 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 BFMA5

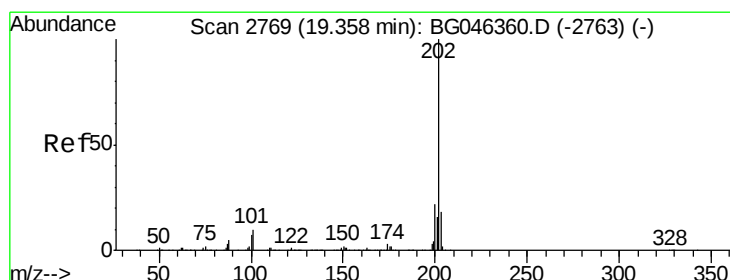
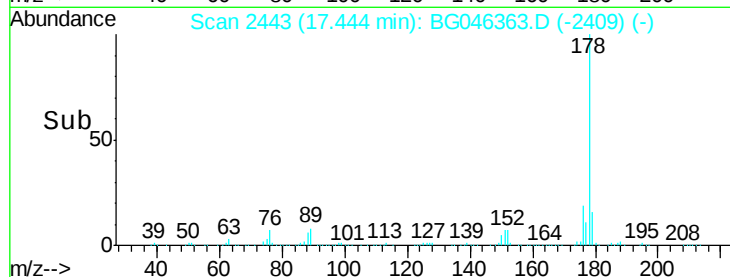
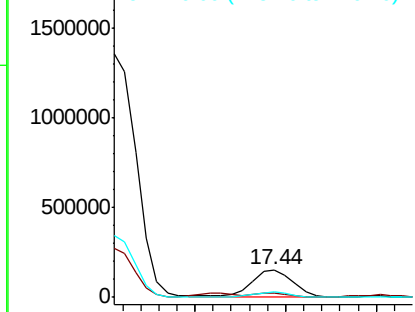
Tot Ion	Ion	Ratio	Lower	Upper
243069	178	100		
	179	16.0	13.2	19.8
	176	19.4	15.2	22.8

Manual Integrations
 APPROVED

mohammad
 8/20/2020 12:23:25 PM



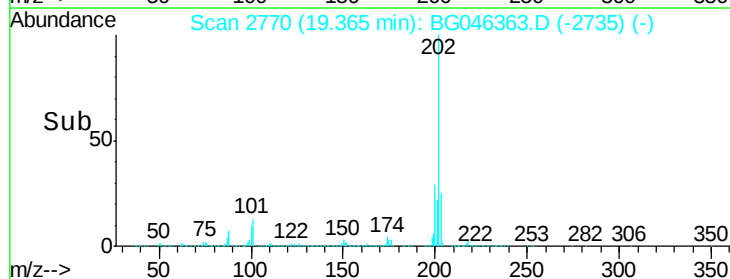
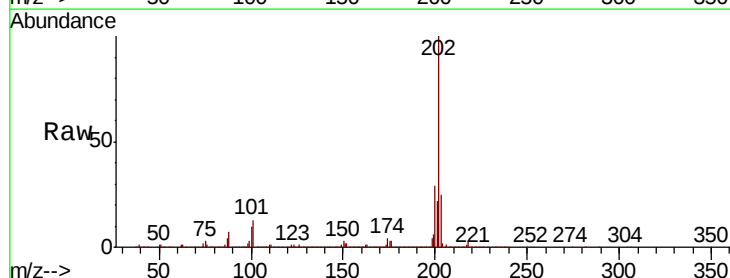
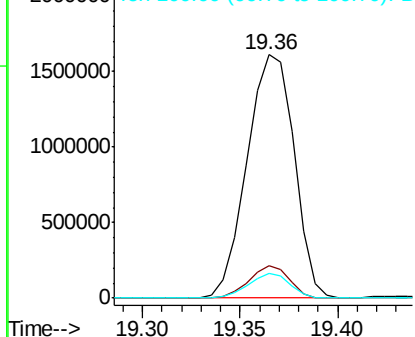
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

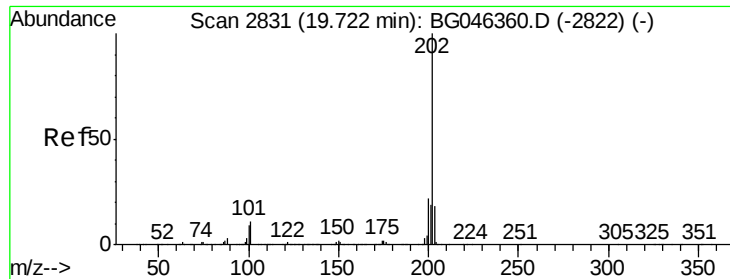


#17
 Fluoranthene
 Concen: 67.099 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.01 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Tgt Ion	Ion	Ratio	Lower	Upper
2690564	202	100		
	101	13.3	7.8	11.6#
	100	10.3	5.9	8.9#

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





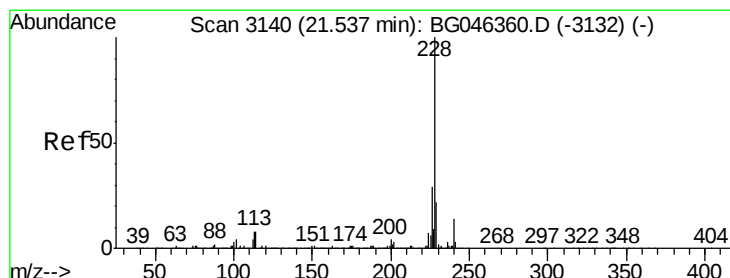
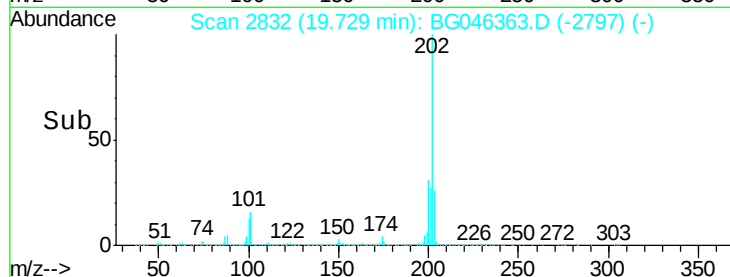
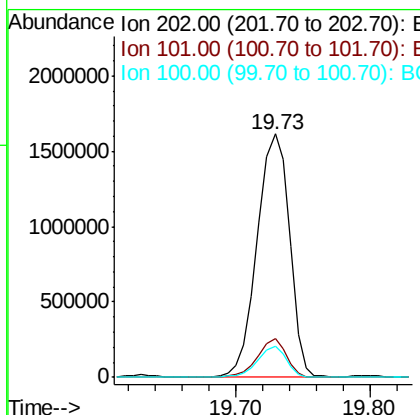
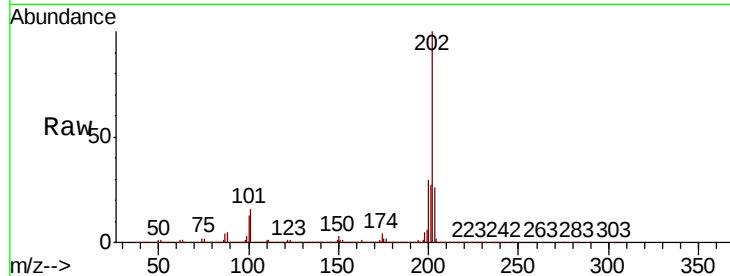
#20
Pvrene
Concen: 63.537 ng/ul m
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

Instrument :
BNA_G
ClientSampleId :
BFMA5

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.7	8.9	13.3#
100	12.8	7.9	11.9#

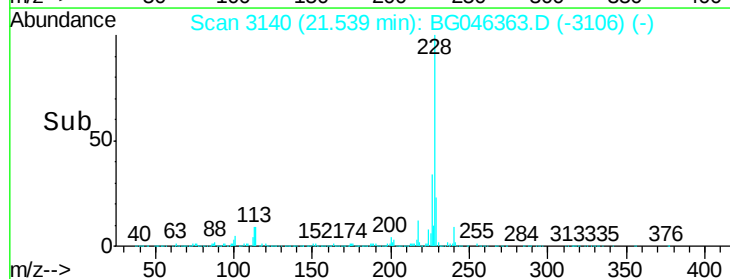
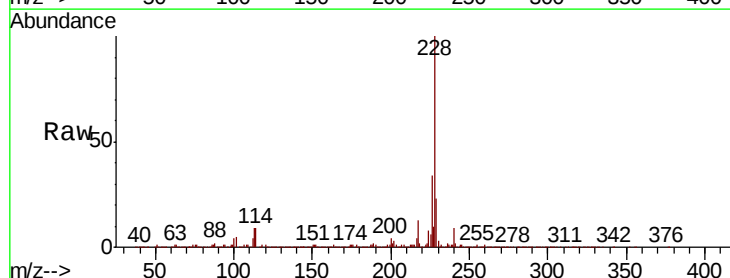
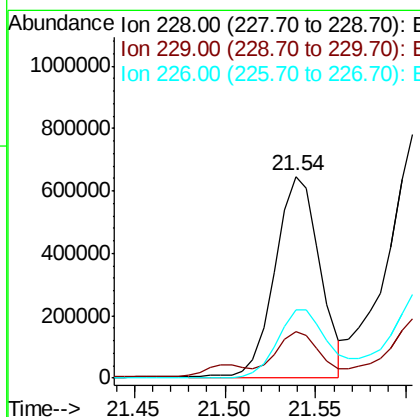
Manual Integrations
APPROVED

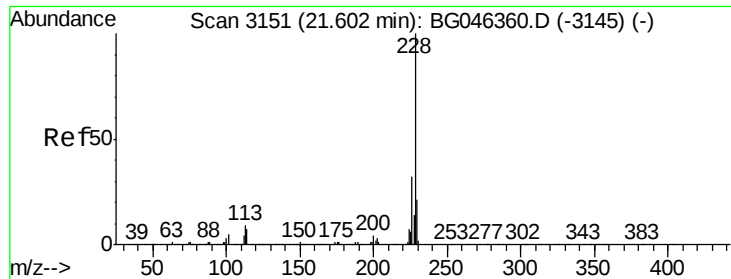
mohammad
8/20/2020 12:23:25 PM



#21
Benzo(a)anthracene
Concen: 26.505 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.0	16.6	25.0
226	33.7	22.6	33.8





#22

Chrysene

Concen: 37.609 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

Instrument :

BNA_G

ClientSampleId :

BFMA5

Tot Ion:228 Resp: 1528376

Ion Ratio Lower Upper

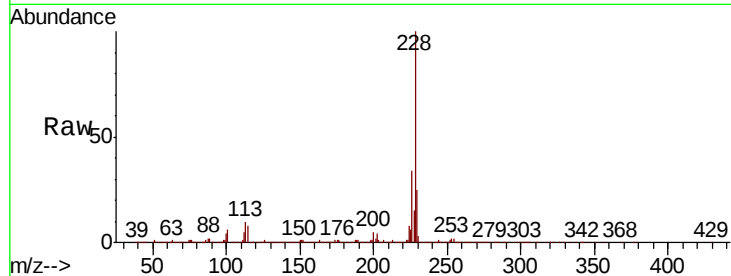
228 100

226 34.2 25.5 38.3

229 24.6 17.0 25.4

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:25 PM

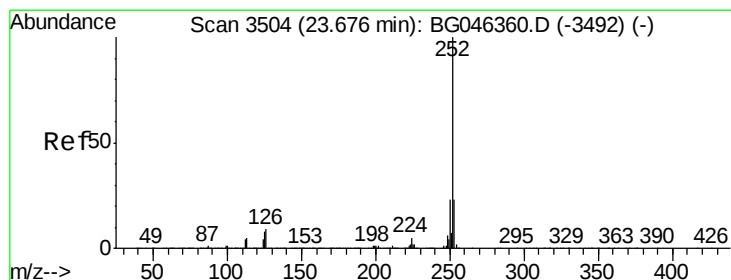
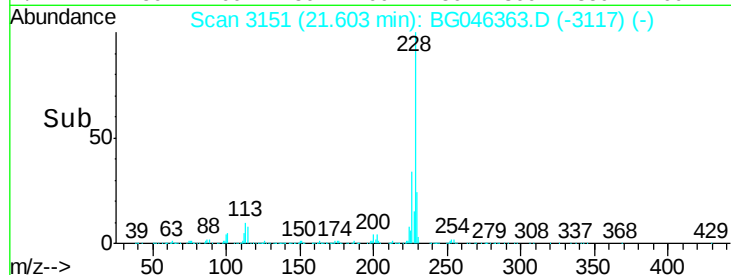
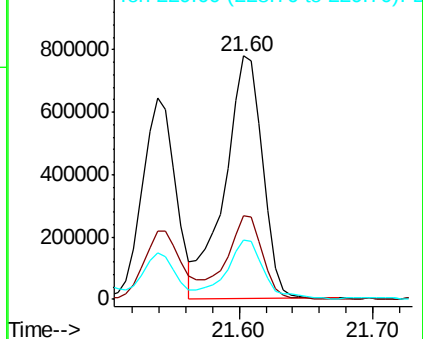


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Benzo(b)fluoranthene

Concen: 41.400 ng/ul

RT: 23.70 min Scan# 3507

Delta R.T. 0.02 min

Lab File: BG046363.D

Acq: 20 Aug 2020 3:28

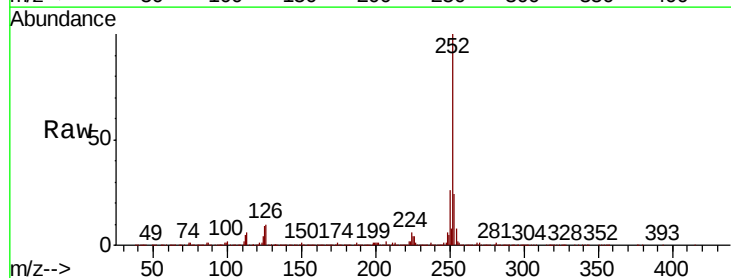
Tgt Ion:252 Resp: 1929570

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

125 9.1 6.4 9.6

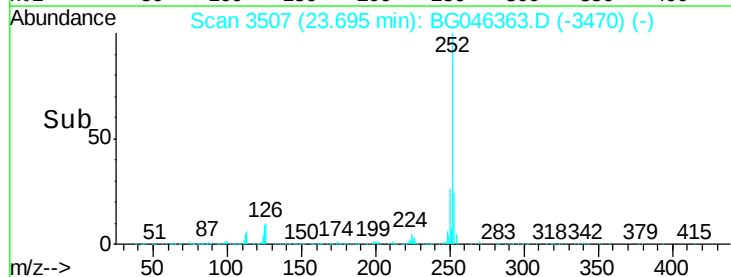
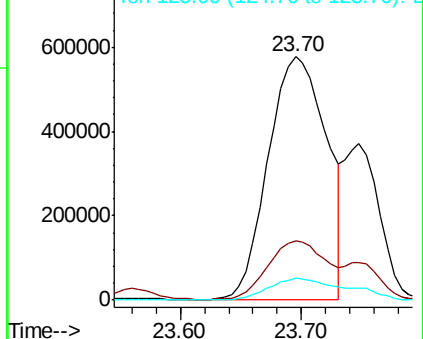


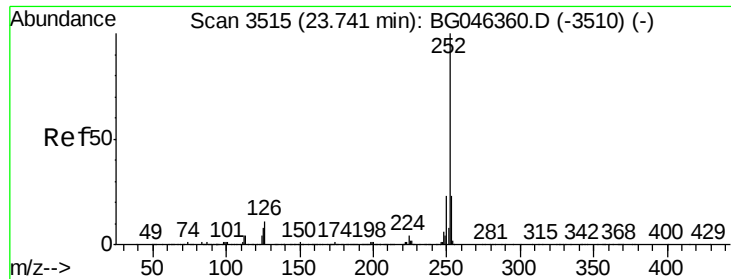
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





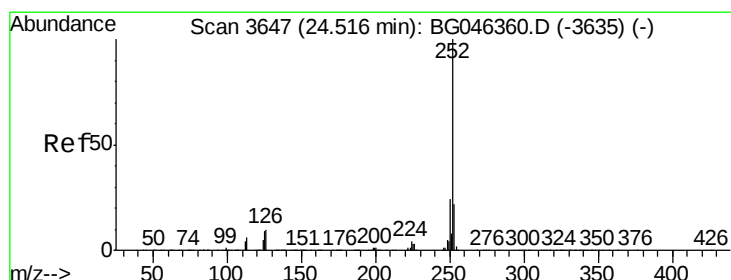
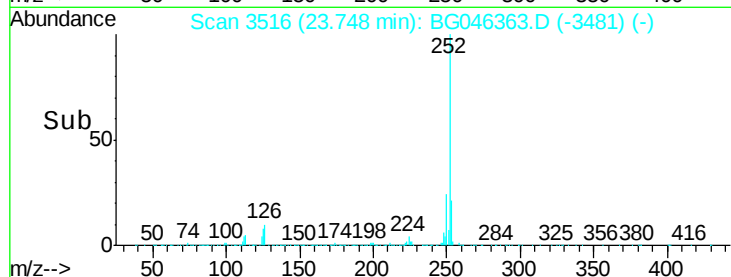
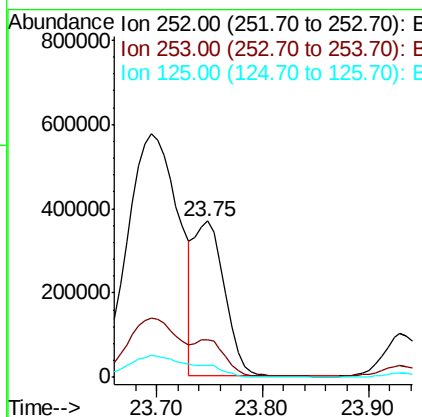
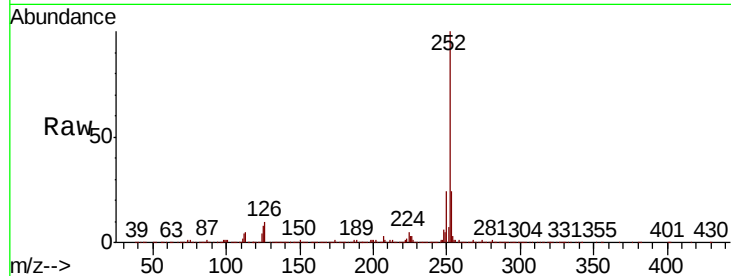
#25
Benzo(k)fluoranthene
Concen: 16.004 ng/ul m
RT: 23.75 min Scan# 3516
Delta R.T. 0.01 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

Instrument :
BNA_G
ClientSampleId :
BFMA5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	7.7	6.2	9.2

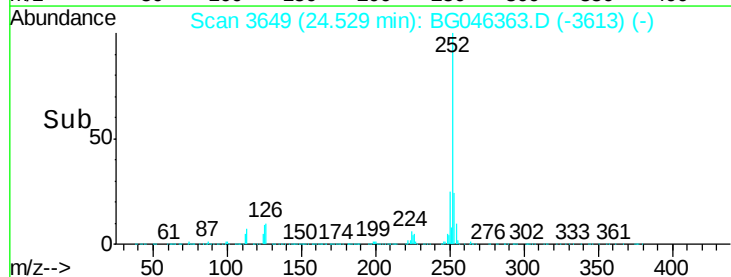
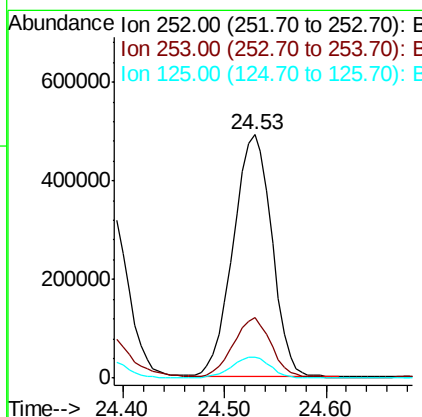
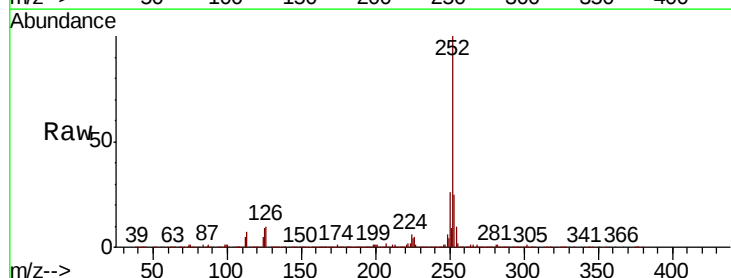
Manual Integrations
APPROVED

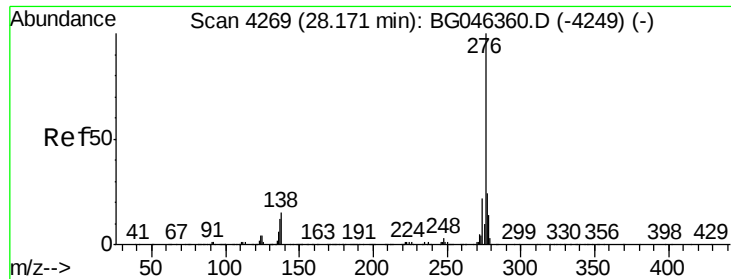
mohammad
8/20/2020 12:23:25 PM



#27
Benzo(a)pyrene
Concen: 30.154 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.01 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	8.6	7.1	10.7





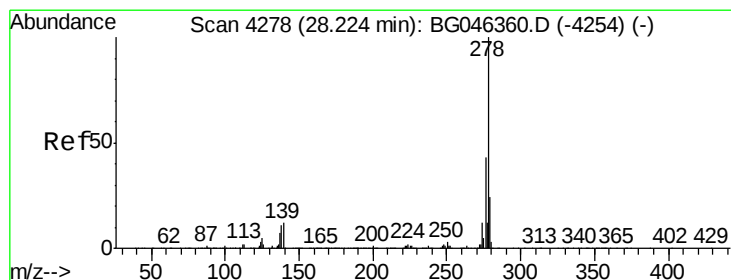
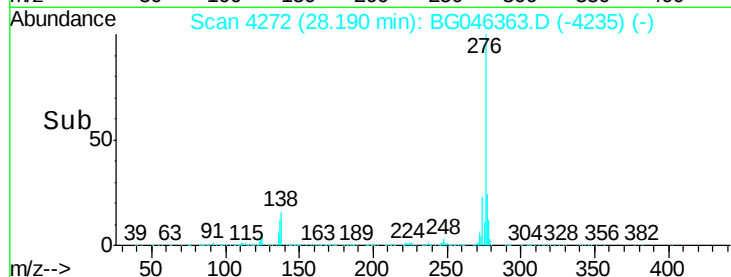
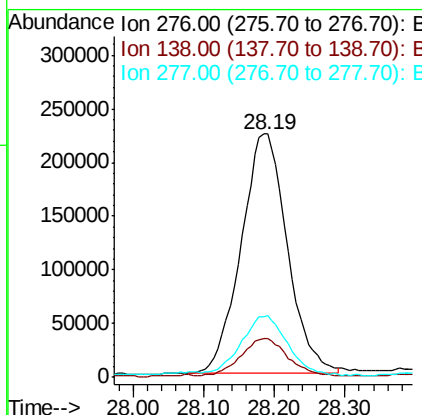
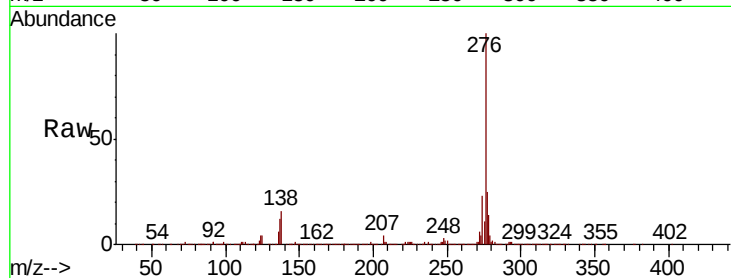
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 18.950 ng/uL
 RT: 28.19 min Scan# 4272
 Delta R.T. 0.02 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Instrument :
 BNA_G
 ClientSampleId :
 BFMA5

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.2	19.8
277	25.2	19.9	29.9

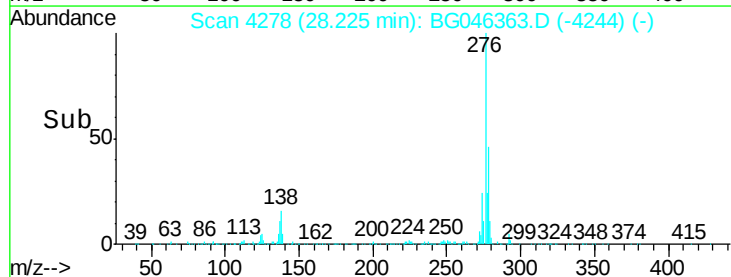
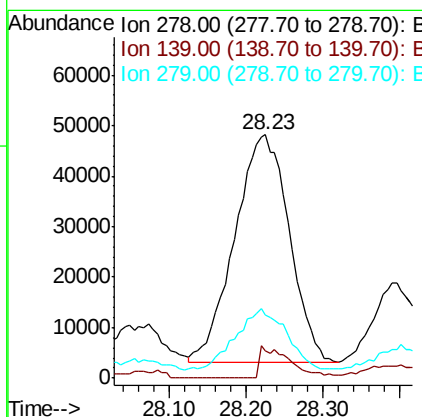
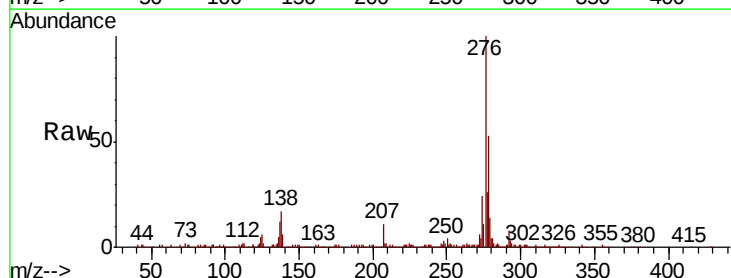
Manual Integrations
 APPROVED

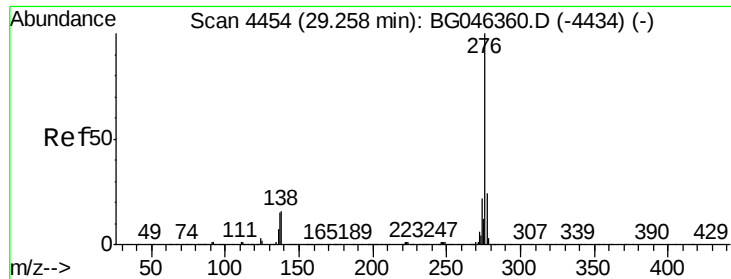
mohammad
 8/20/2020 12:23:25 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 5.095 ng/uL
 RT: 28.23 min Scan# 4278
 Delta R.T. 0.00 min
 Lab File: BG046363.D
 Acq: 20 Aug 2020 3:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.0	9.8	14.8
279	26.1	19.7	29.5





#30
Benzo(a,h,i)perylene
Concen: 18.773 ng/ul
RT: 29.28 min Scan# 4457
Delta R.T. 0.02 min
Lab File: BG046363.D
Acq: 20 Aug 2020 3:28

Instrument :
BNA_G
ClientSampleId :
BFMA5

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.9	19.3
277	24.9	19.4	29.0

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:25 PM

