

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046302.D
 Acq On : 17 Aug 2020 17:52
 Operator : CG/JU
 Sample : L3632-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM90

Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:15:54 PM

Quant Time: Aug 18 01:54:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	66915	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	279238	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	202831	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	500599	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	512708	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	543844	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	152572	31.73	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	599605	32.12	ng/ul	0.00
10) Fluorene-d10	15.56	176	474846	33.20	ng/ul	0.00
15) Anthracene-d10	17.41	188	741355	31.95	ng/ul	0.00
19) Pyrene-d10	19.69	212	869636	32.95	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	970187	32.69	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Acenaphthylene	14.29	152	37149	1.957	ng/ul	96
9) Acenaphthene	14.63	153	17140	1.265	ng/ul	99
11) Fluorene	15.61	166	20543	1.296	ng/ul	91
14) Phenanthrene	17.35	178	569450	20.677	ng/ul	100
16) Anthracene	17.44	178	65209	2.347	ng/ul	99
17) Fluoranthene	19.36	202	1024278	33.355	ng/ul	98
20) Pyrene	19.72	202	985557	29.285	ng/ul	99
21) Benzo(a)anthracene	21.54	228	473539	14.195	ng/ul	96
22) Chrysene	21.60	228	579083	17.957	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	783806	21.794	ng/ul	97
25) Benzo(k)fluoranthene	23.74	252	252145m	7.068	ng/ul	
27) Benzo(a)pyrene	24.52	252	520205	15.756	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.16	276	395619	9.570	ng/ul	99
29) Dibenzo(a,h)anthracene	28.21	278	100862	3.009	ng/ul#	88
30) Benzo(a,h,i)perylene	29.25	276	342107	9.888	ng/ul	99

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

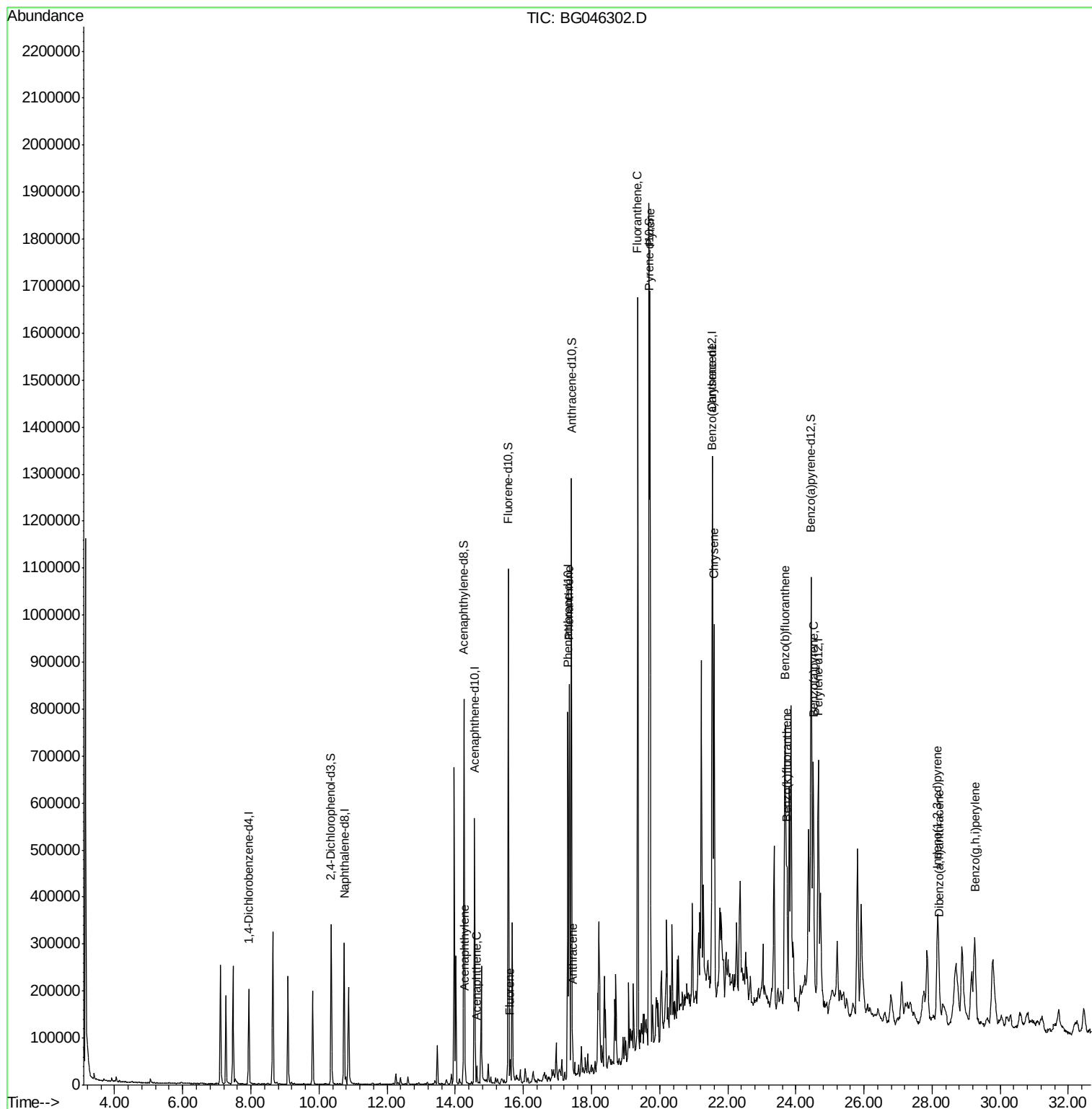
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046302.D
Acq On : 17 Aug 2020 17:52
Operator : CG/JU
Sample : L3632-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

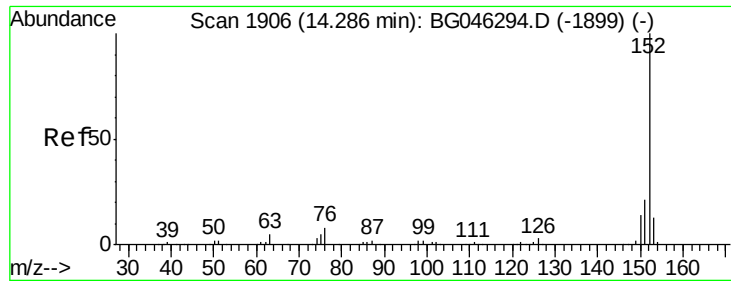
Instrument :
BNA_G
ClientSampleId :
BFM90

Quant Time: Aug 18 01:54:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 13:50:19 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:54 PM





#8

Acenaphthylene

Concen: 1.957 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046302.D

Acq: 17 Aug 2020 17:52

Instrument :

BNA_G

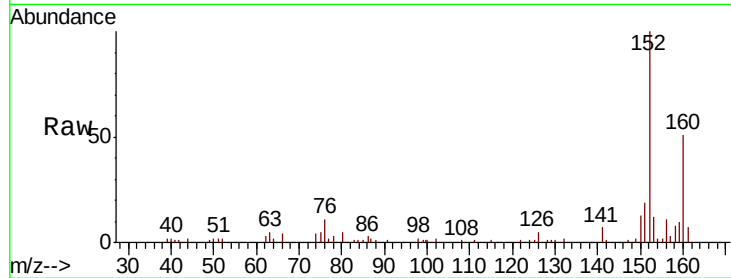
ClientSampled :

BFM90

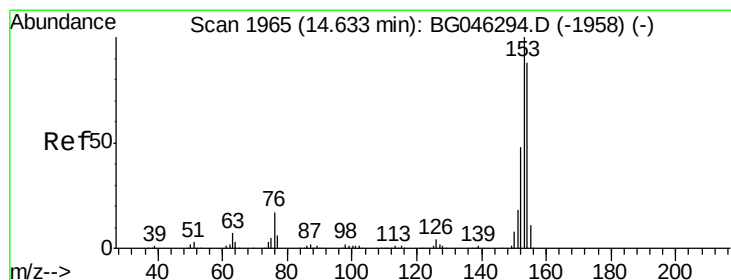
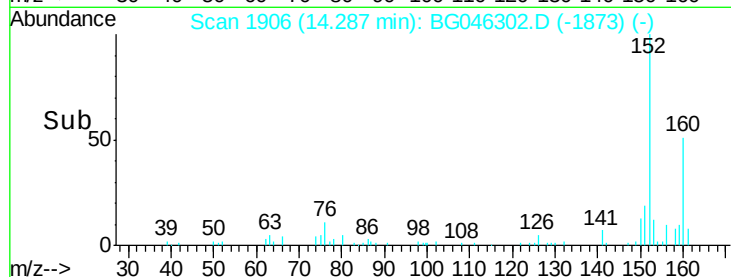
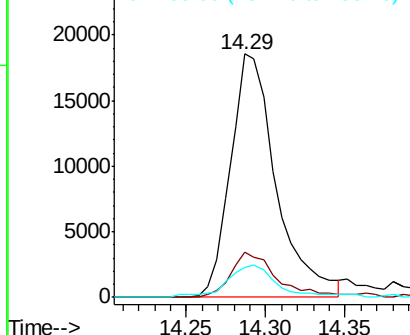
Tot Ion:	152	Resp:	37149
Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.5	24.7
153	12.2	11.0	16.6

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:54 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 1.265 ng/ul

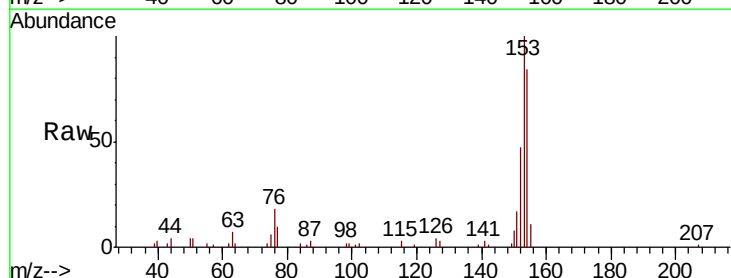
RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

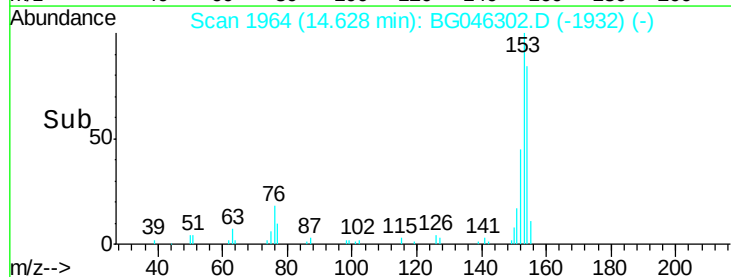
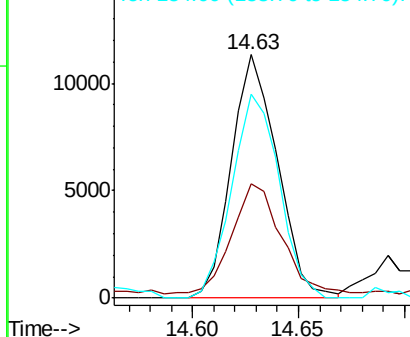
Lab File: BG046302.D

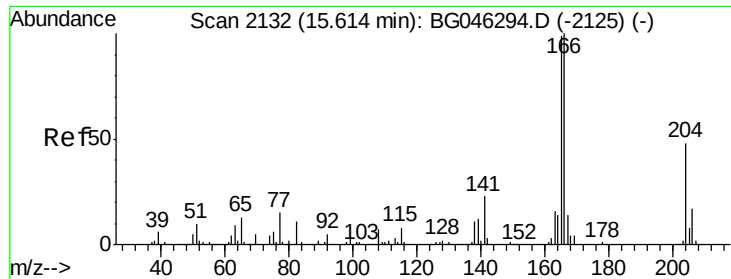
Acq: 17 Aug 2020 17:52

Tgt Ion:	153	Resp:	17140
Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.2	55.8
154	83.6	67.8	101.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





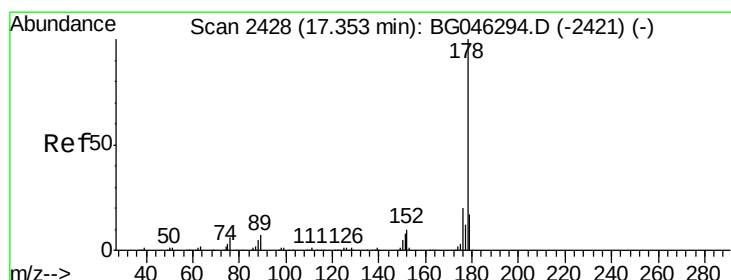
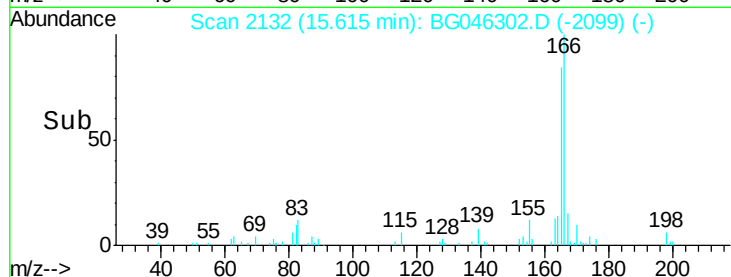
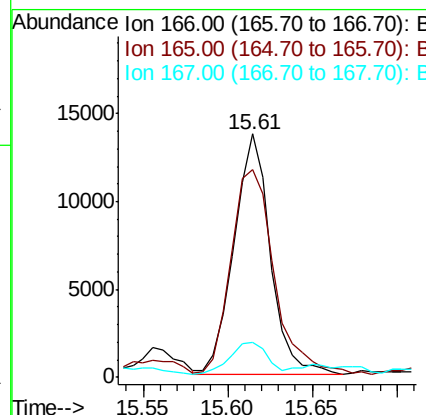
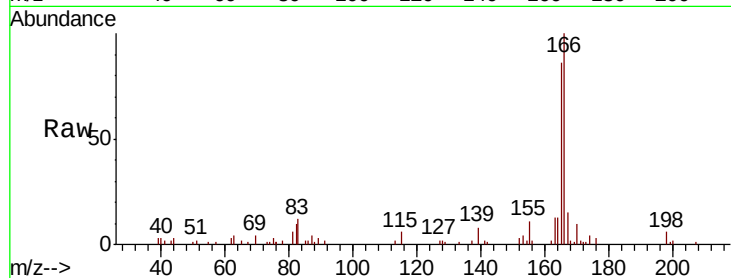
#11
 Fluorene
 Concen: 1.296 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046302.D
 Acq: 17 Aug 2020 17:52

Instrument :
 BNA_G
 ClientSampleId :
 BFM90

Tot Ion	Ratio	Lower	Upper
166	100		
165	85.6	75.9	113.9
167	14.6	10.7	16.1

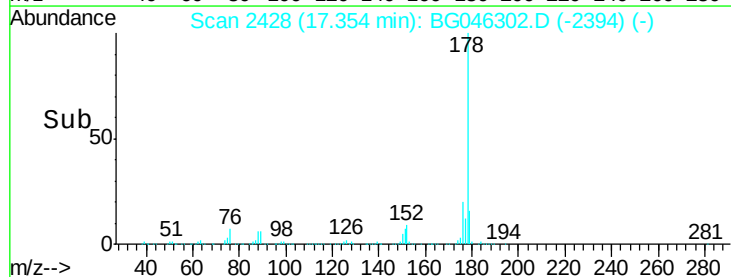
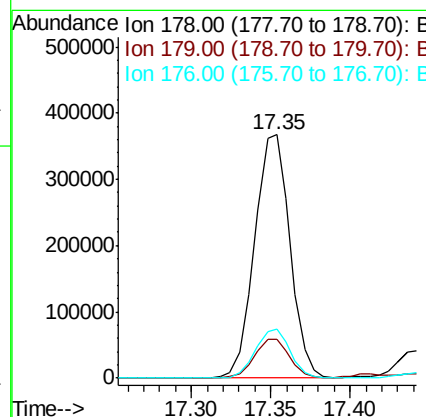
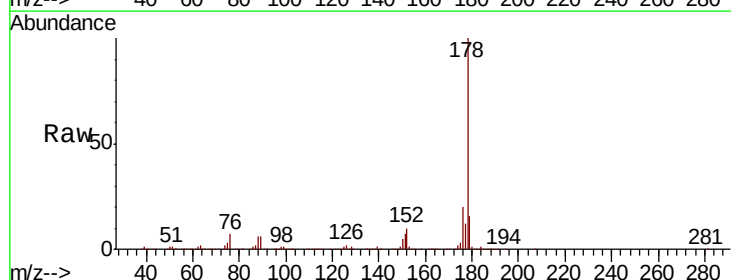
Manual Integrations
 APPROVED

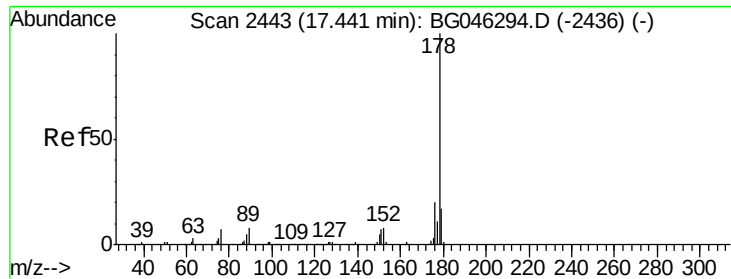
mohammad
 8/19/2020 2:15:54 PM



#14
 Phenanthrene
 Concen: 20.677 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG046302.D
 Acq: 17 Aug 2020 17:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2
176	20.0	15.8	23.8





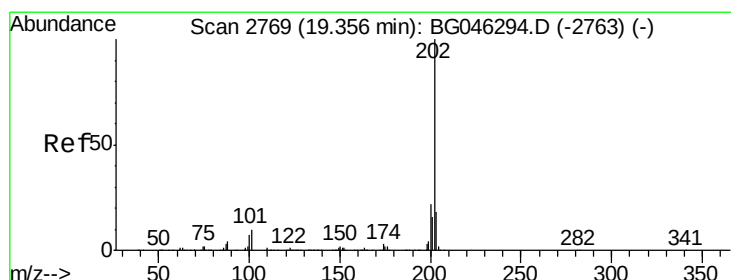
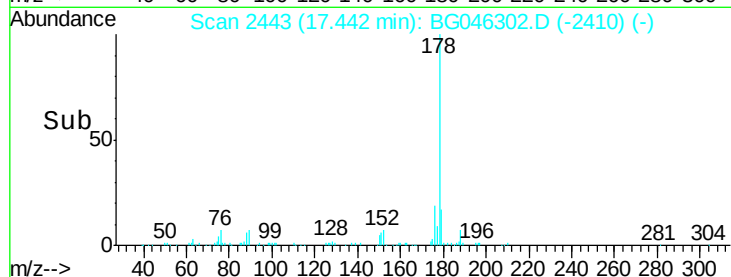
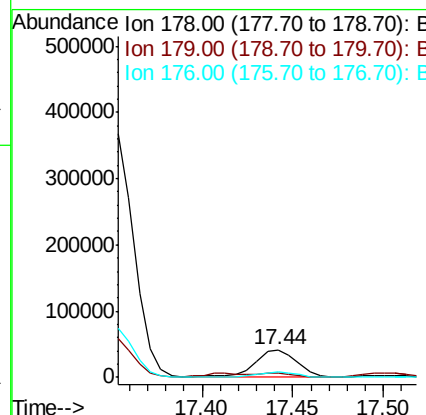
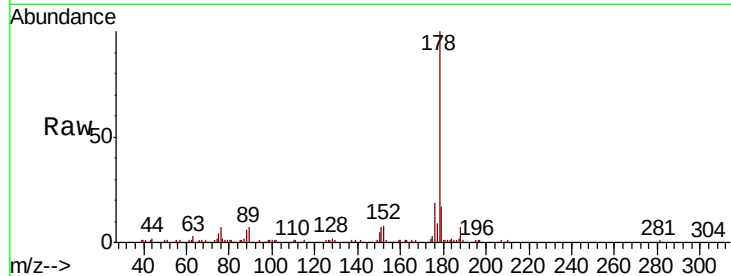
#16
 Anthracene
 Concen: 2.347 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046302.D
 Acq: 17 Aug 2020 17:52

Instrument :
 BNA_G
 ClientSampleId :
 BFM90

Tot Ion:178	Resp:	65209
Ion Ratio	Lower	Upper
178	100	
179	16.8	13.2 19.8
176	18.6	15.2 22.8

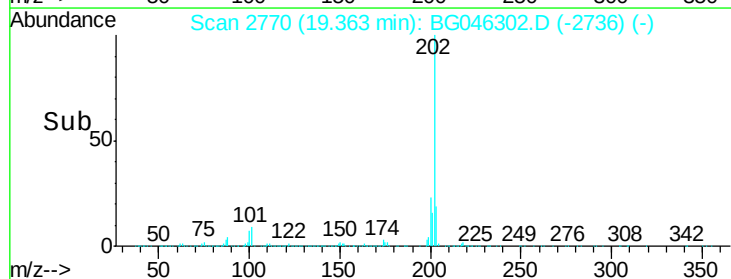
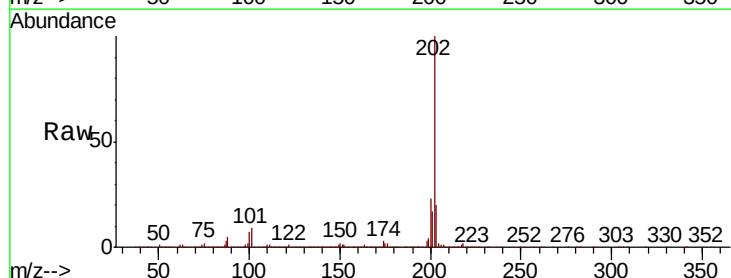
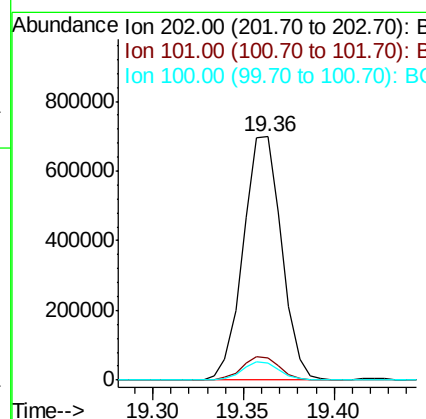
Manual Integrations
 APPROVED

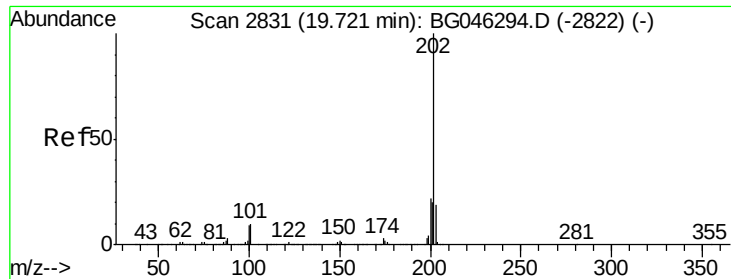
mohammad
 8/19/2020 2:15:54 PM



#17
 Fluoranthene
 Concen: 33.355 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046302.D
 Acq: 17 Aug 2020 17:52

Tgt Ion:202	Resp:	1024278
Ion Ratio	Lower	Upper
202	100	
101	9.0	7.8 11.6
100	7.0	5.9 8.9





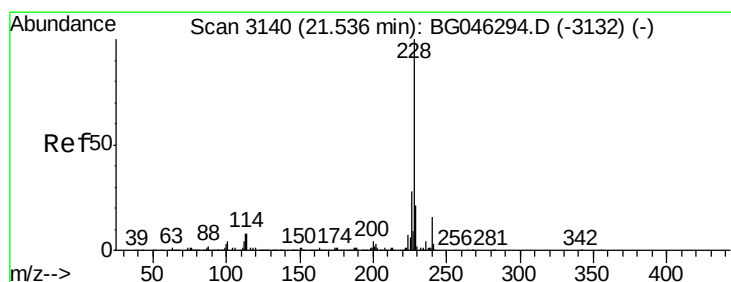
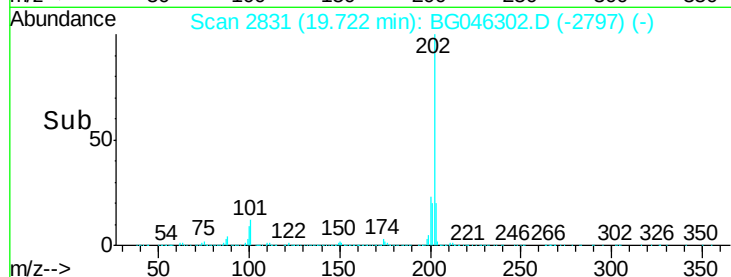
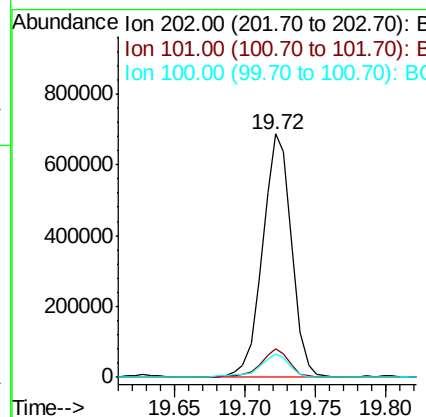
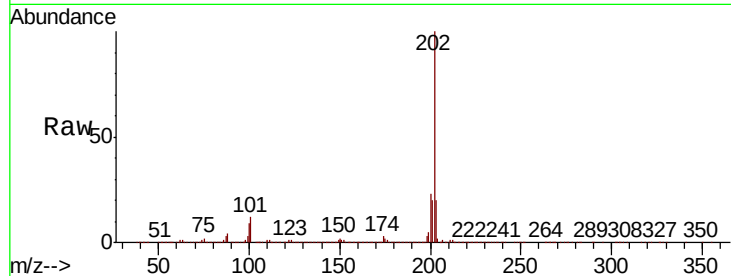
#20
Pvrene
Concen: 29.285 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046302.D
Acq: 17 Aug 2020 17:52

Instrument :
BNA_G
ClientSampleId :
BFM90

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	8.9	13.3
100	9.4	7.9	11.9

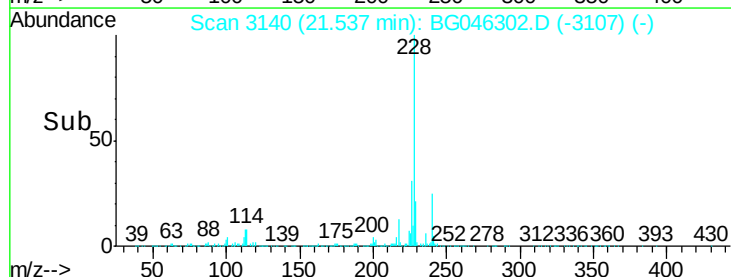
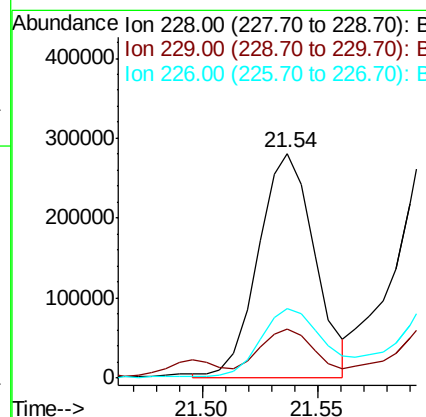
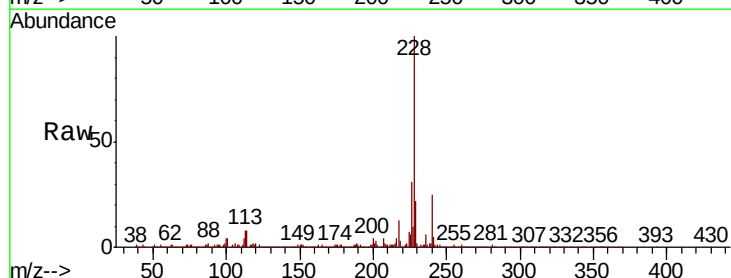
Manual Integrations
APPROVED

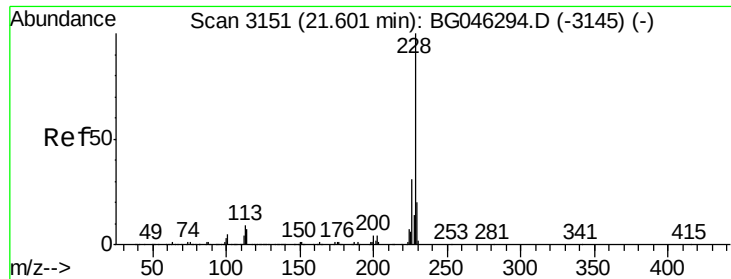
mohammad
8/19/2020 2:15:54 PM



#21
Benzo(a)anthracene
Concen: 14.195 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046302.D
Acq: 17 Aug 2020 17:52

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.8	16.6	25.0
226	30.8	22.6	33.8





#22

Chrysene

Concen: 17.957 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046302.D

Acq: 17 Aug 2020 17:52

Instrument :

BNA_G

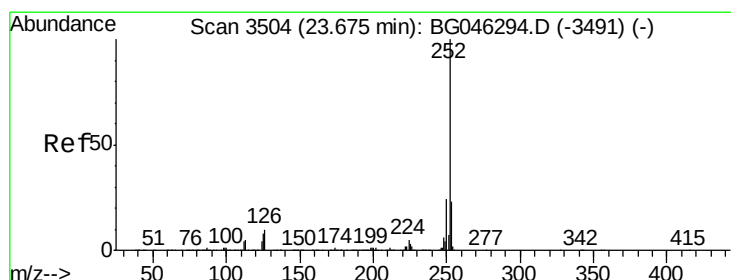
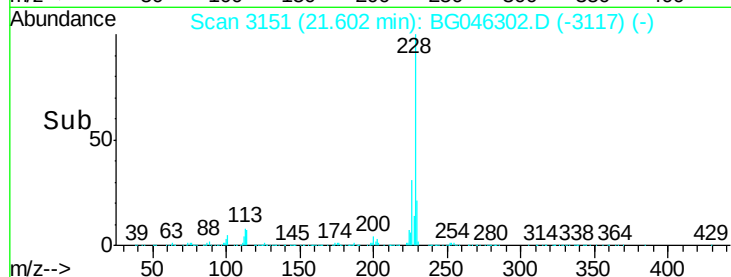
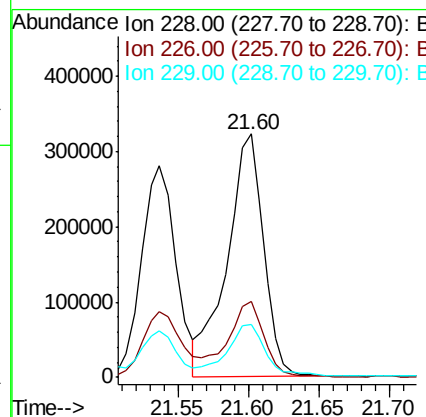
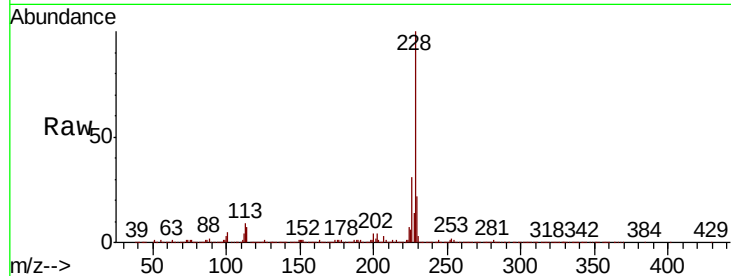
ClientSampleId :

BFM90

Tot Ion:	228	Resp:	579083
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.5	38.3
229	21.9	17.0	25.4

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:54 PM



#24

Benzo(b)fluoranthene

Concen: 21.794 ng/ul

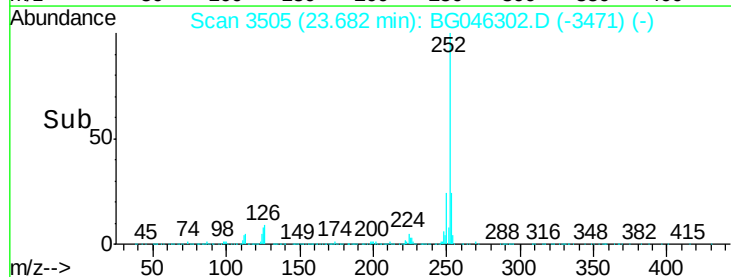
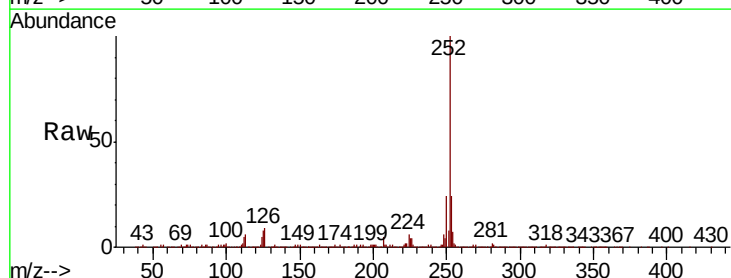
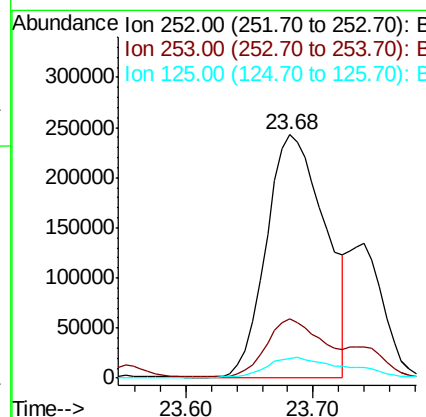
RT: 23.68 min Scan# 3505

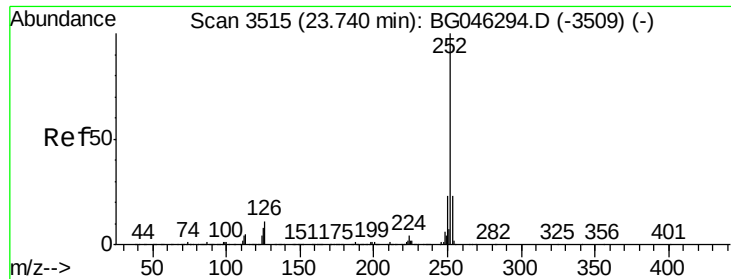
Delta R.T. -0.00 min

Lab File: BG046302.D

Acq: 17 Aug 2020 17:52

Tgt Ion:	252	Resp:	783806
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	8.3	6.4	9.6





#25

Benzo(k)fluoranthene

Concen: 7.068 ng/ul m

RT: 23.74 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BG046302.D

Acq: 17 Aug 2020 17:52

Instrument :

BNA_G

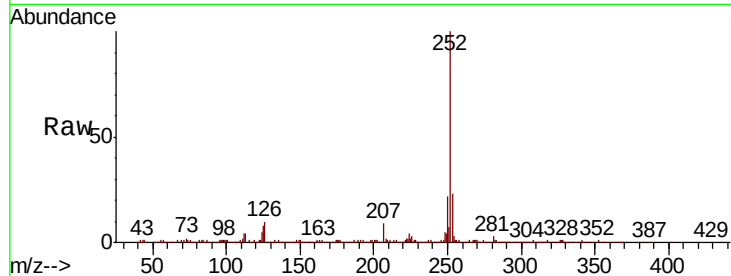
ClientSampleId :

BFM90

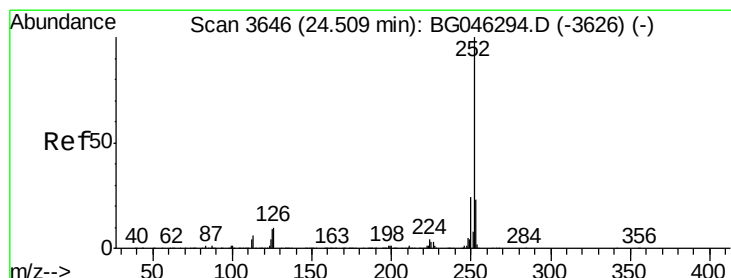
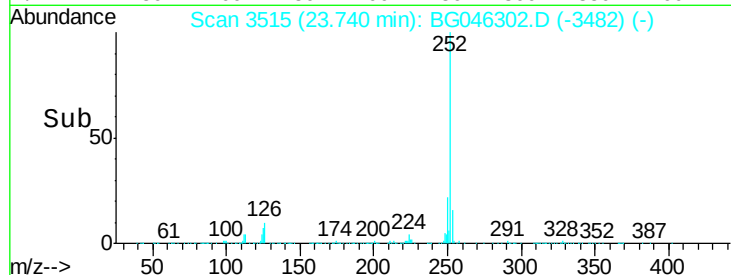
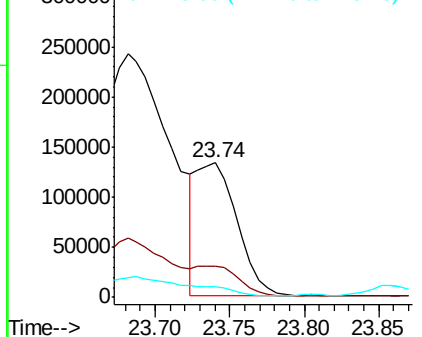
Tot Ion:	252	Resp:	252145
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.5	27.7
125	7.8	6.2	9.2

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:54 PM



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



#27

Benzo(a)pyrene

Concen: 15.756 ng/ul

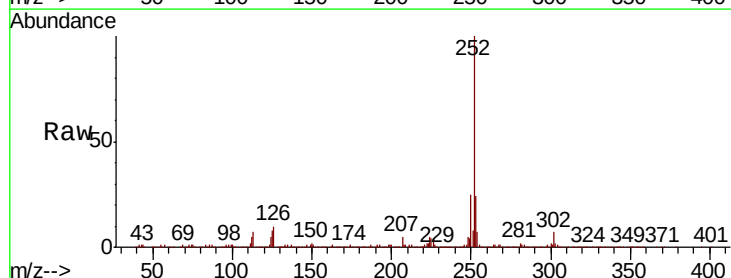
RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

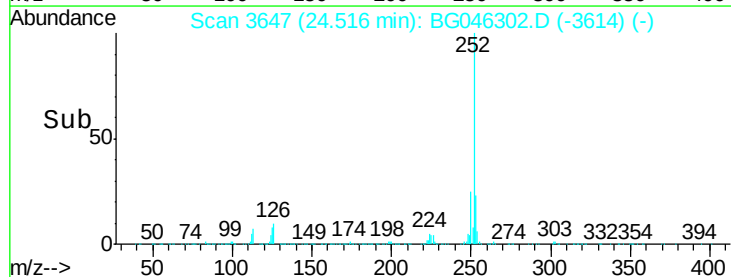
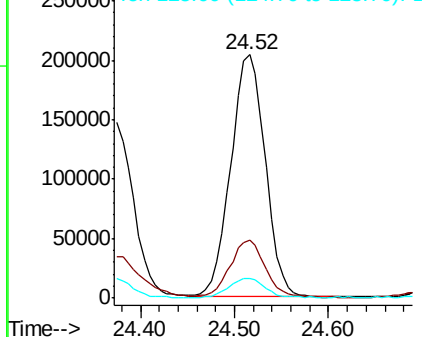
Lab File: BG046302.D

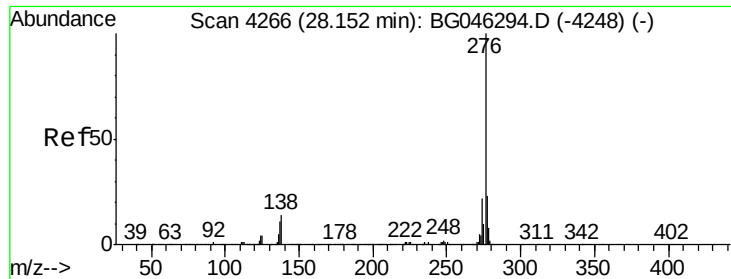
Acq: 17 Aug 2020 17:52

Tgt Ion:	252	Resp:	520205
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	8.0	7.1	10.7



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





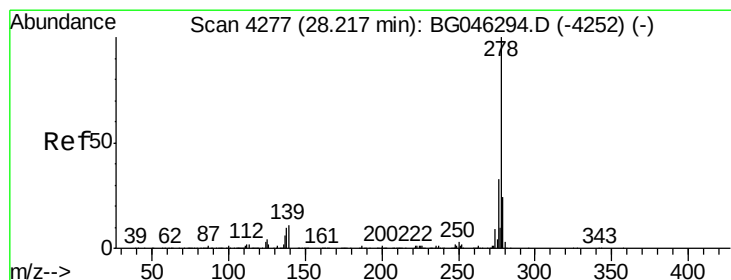
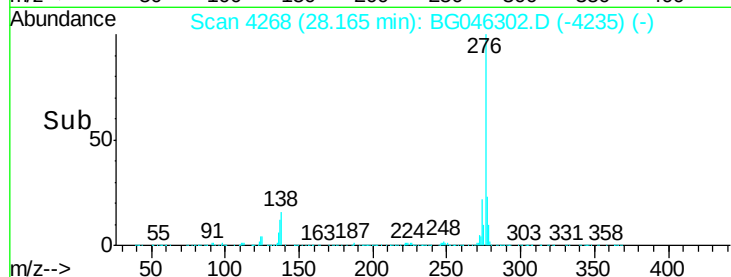
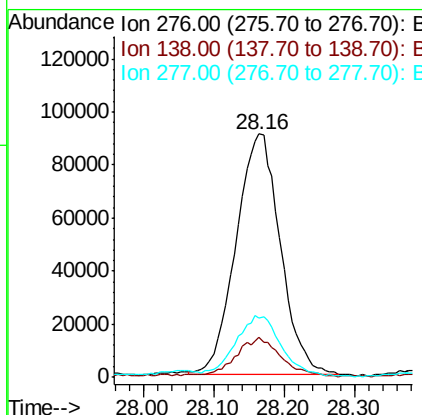
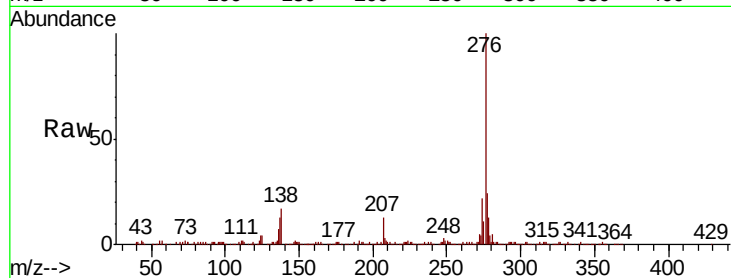
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.570 ng/ul
 RT: 28.16 min Scan# 4268
 Delta R.T. -0.01 min
 Lab File: BG046302.D
 Acq: 17 Aug 2020 17:52

Instrument :
 BNA_G
 ClientSampleId :
 BFM90

Tot Ion:276	Resp:	395619
Ion Ratio	Lower	Upper
276 100		
138 16.5	13.2	19.8
277 24.2	19.9	29.9

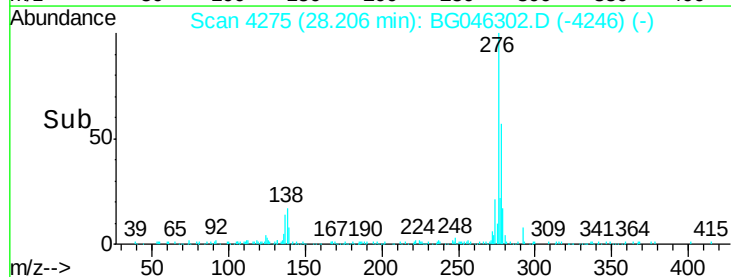
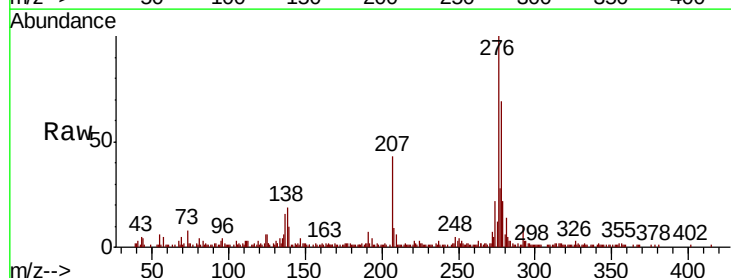
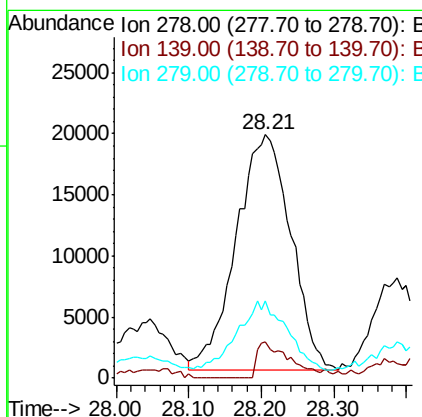
Manual Integrations
 APPROVED

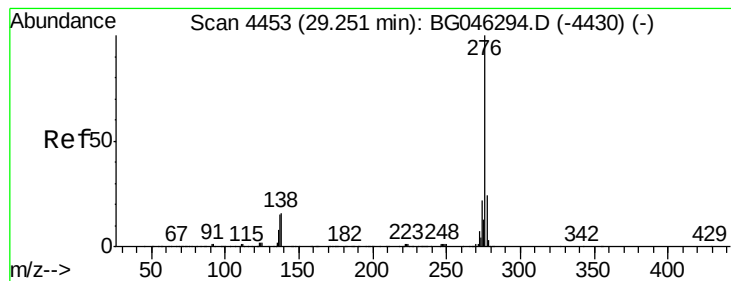
mohammad
 8/19/2020 2:15:54 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.009 ng/ul
 RT: 28.21 min Scan# 4275
 Delta R.T. -0.03 min
 Lab File: BG046302.D
 Acq: 17 Aug 2020 17:52

Tgt Ion:278	Resp:	100862
Ion Ratio	Lower	Upper
278 100		
139 15.0	9.8	14.8#
279 31.5	19.7	29.5#





#30

Benzo(a,h,i)perylene

Concen: 9.888 ng/ul

RT: 29.25 min Scan# 4453

Delta R.T. -0.01 min

Lab File: BG046302.D

Acq: 17 Aug 2020 17:52

Instrument :

BNA_G

ClientSampleId :

BFM90

Tot Ion:	276	Resp:	342107
Ion Ratio	Lower	Upper	
276	100		
138	15.6	12.9	19.3
277	23.8	19.4	29.0

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:54 PM

