

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046331.D
 Acq On : 18 Aug 2020 17:09
 Operator : CG/JU
 Sample : L3636-15
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMP5

Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:17:34 PM

Quant Time: Aug 18 17:50:29 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	92502	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	364734	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	232167	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	523695	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	525167	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	558946	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	28865	4.60	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	125692	5.88	ng/ul	0.00
10) Fluorene-d10	15.56	176	100326	6.13	ng/ul	0.00
15) Anthracene-d10	17.41	188	140552	5.79	ng/ul	0.00
19) Pyrene-d10	19.69	212	162298	6.00	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	164786	5.40	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.79	128	58660	3.092	ng/ul	97
5) 2-Methylnaphthalene	12.40	142	22675	1.568	ng/ul	97
8) Acenaphthylene	14.29	152	48677	2.241	ng/ul	97
11) Fluorene	15.61	166	42367	2.336	ng/ul	95
14) Phenanthrene	17.35	178	1217934	42.274	ng/ul	97
16) Anthracene	17.44	178	44305	1.524	ng/ul	98
17) Fluoranthene	19.36	202	1456252	45.331	ng/ul	99
20) Pyrene	19.72	202	1045187	30.320	ng/ul	98
21) Benzo(a)anthracene	21.54	228	388641	11.374	ng/ul	98
22) Chrysene	21.60	228	644147	19.501	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	776127	20.998	ng/ul	99
25) Benzo(k)fluoranthene	23.74	252	305561m	8.334	ng/ul	
27) Benzo(a)pyrene	24.51	252	412588	12.159	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	339287	7.985	ng/ul	97
29) Dibenzo(a,h)anthracene	28.22	278	93402m	2.711	ng/ul	
30) Benzo(g,h,i)perylene	29.25	276	220801	6.209	ng/ul	98

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

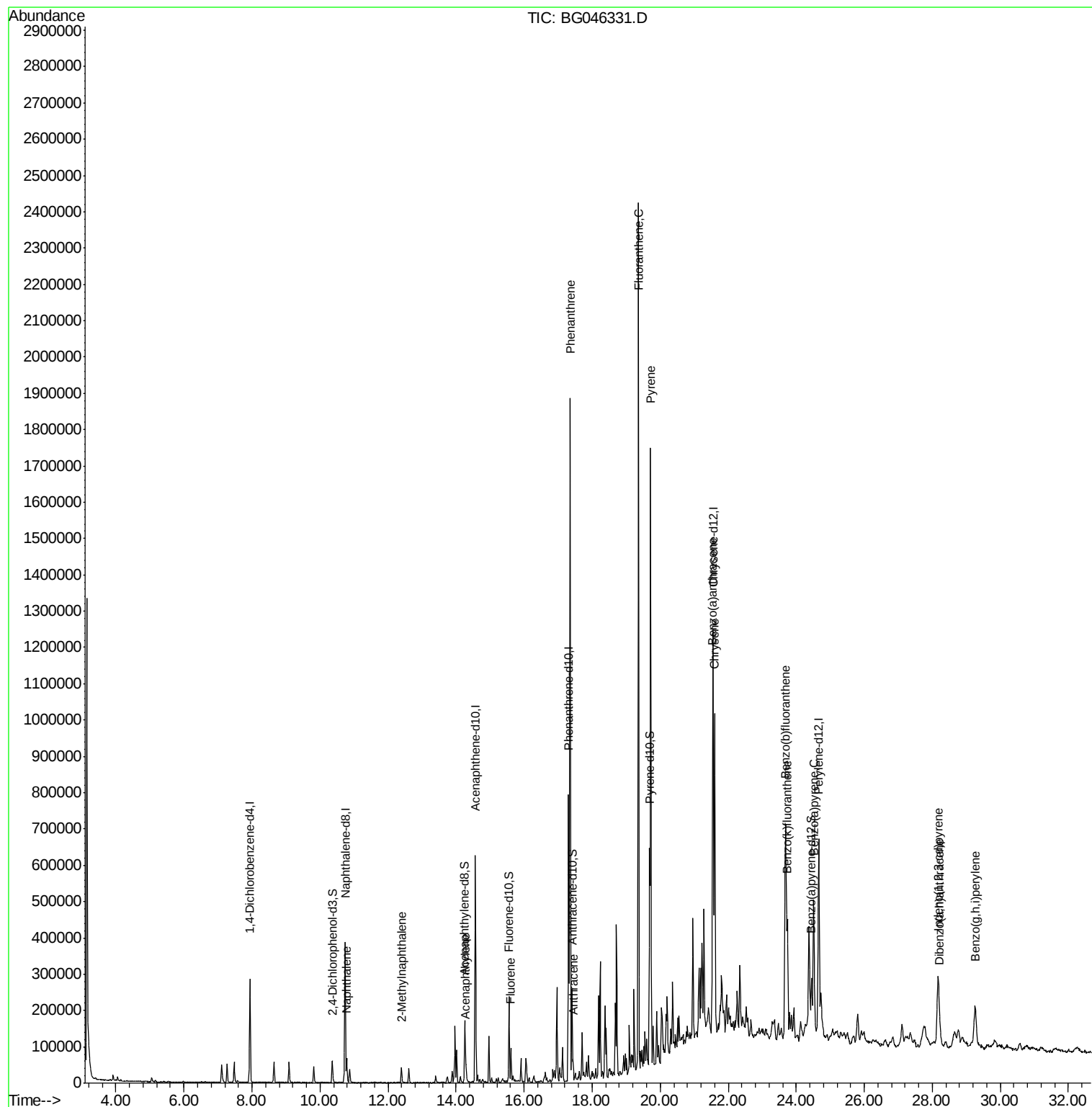
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046331.D
Acq On : 18 Aug 2020 17:09
Operator : CG/JU
Sample : L3636-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

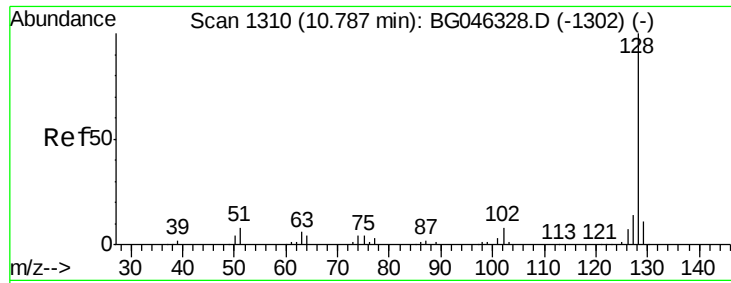
Instrument :
BNA_G
ClientSampleId :
BFMP5

Quant Time: Aug 18 17:50:29 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 2:17:34 PM





#4

Naphthalene

Concen: 3.092 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Instrument :

BNA_G

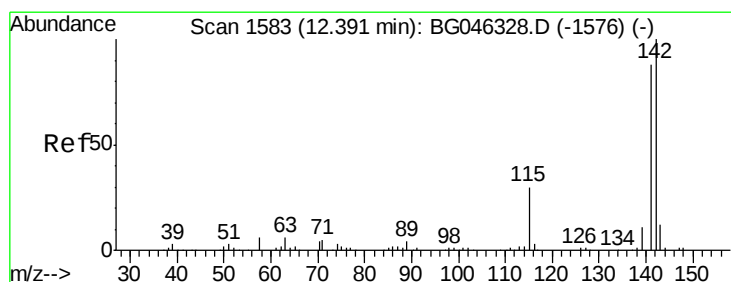
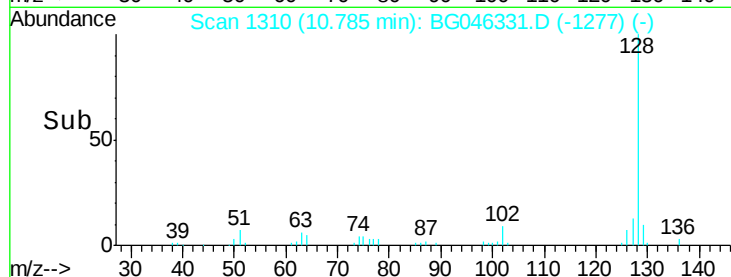
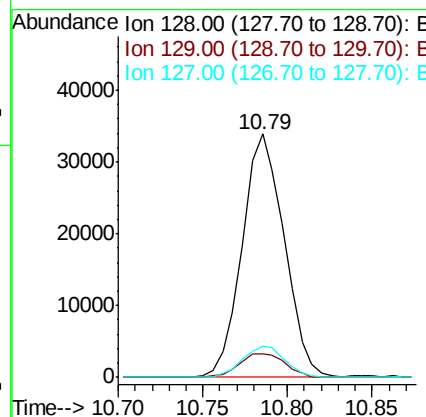
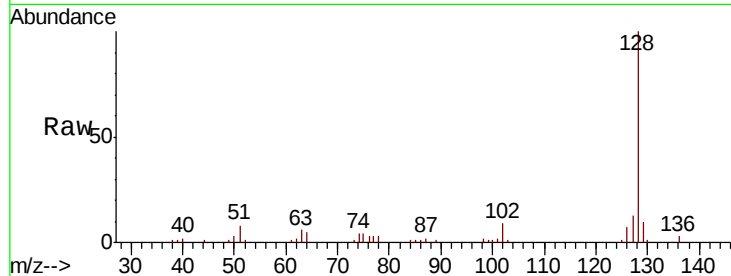
ClientSampleId :

BFMP5

Tot Ion:128	Resp:	58660
Ion Ratio	Lower	Upper
128 100		
129 9.7	9.0	13.6
127 12.8	10.9	16.3

Manual Integrations
APPROVED

mohammad
8/19/2020 2:17:34 PM



#5

2-Methylnaphthalene

Concen: 1.568 ng/ul

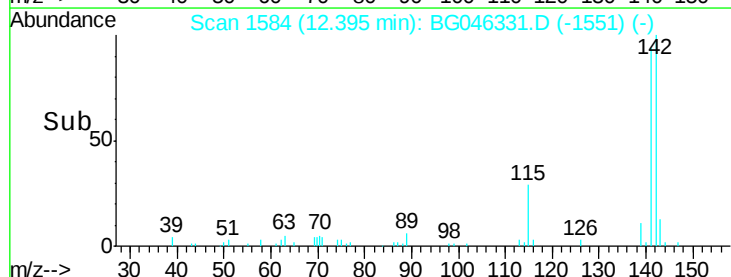
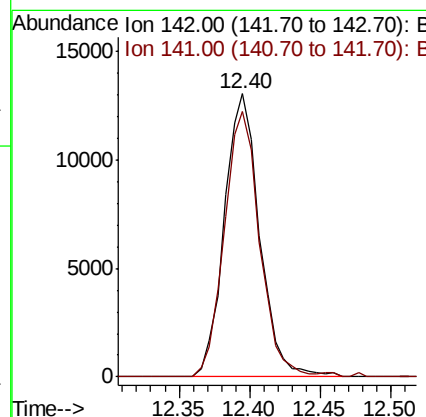
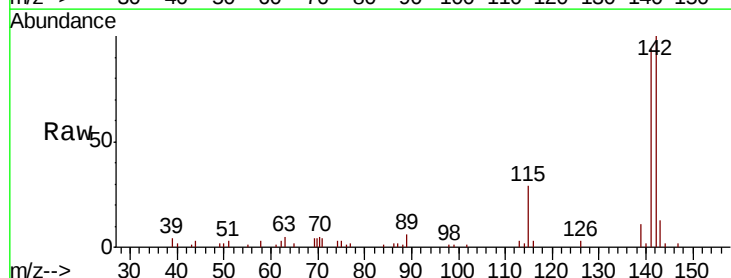
RT: 12.40 min Scan# 1584

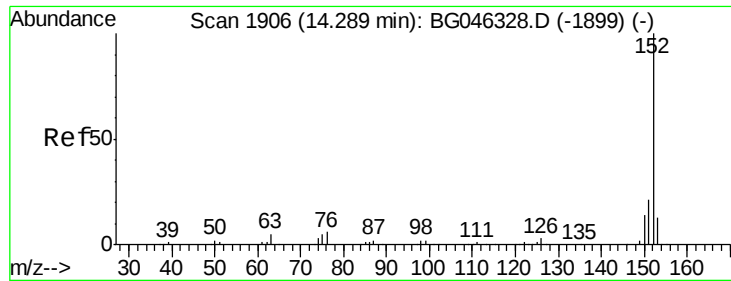
Delta R.T. -0.01 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Tgt Ion:142	Resp:	22675
Ion Ratio	Lower	Upper
142 100		
141 93.7	72.5	108.7





#8

Acenaphthylene

Concen: 2.241 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Instrument :

BNA_G

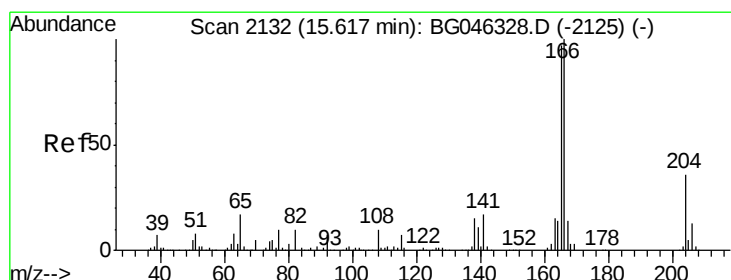
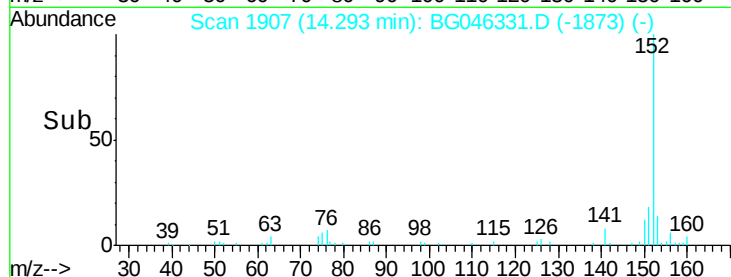
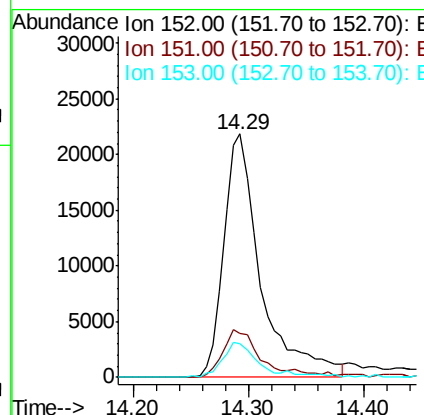
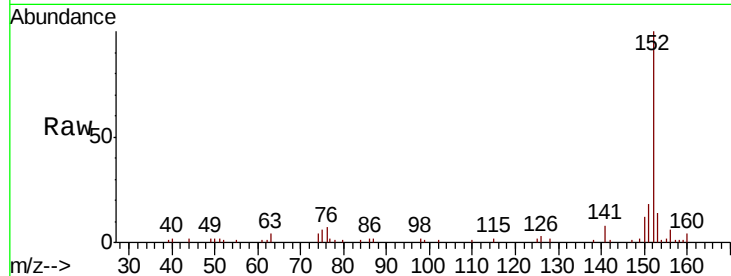
ClientSampleId :

BFMP5

Tot Ion:	152	Resp:	48677
Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.5	24.7
153	13.8	11.0	16.6

Manual Integrations
APPROVED

mohammad
8/19/2020 2:17:34 PM



#11

Fluorene

Concen: 2.336 ng/ul

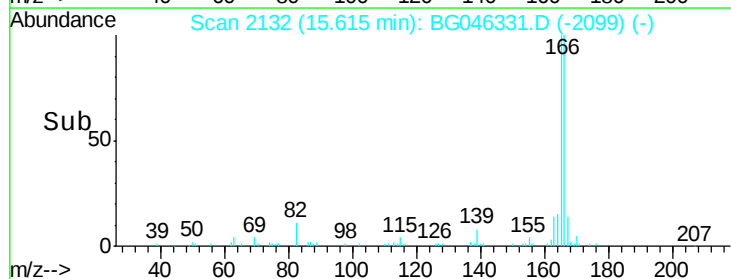
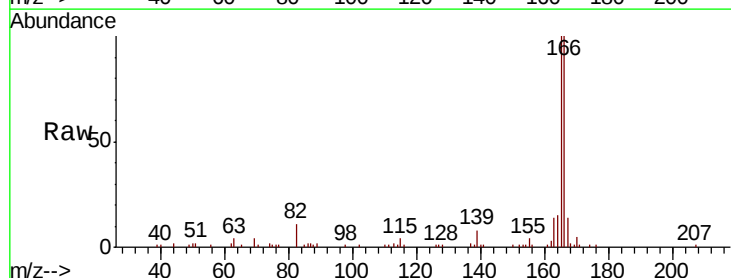
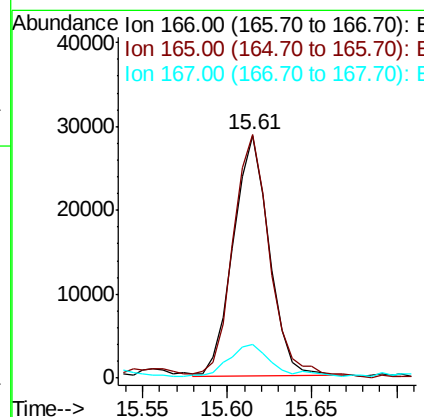
RT: 15.61 min Scan# 2132

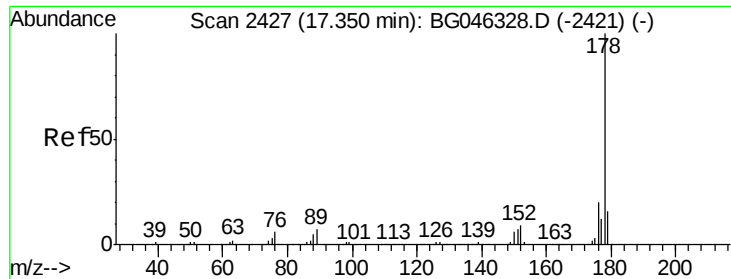
Delta R.T. -0.01 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Tgt Ion:	166	Resp:	42367
Ion	Ratio	Lower	Upper
166	100		
165	100.4	75.9	113.9
167	13.8	10.7	16.1





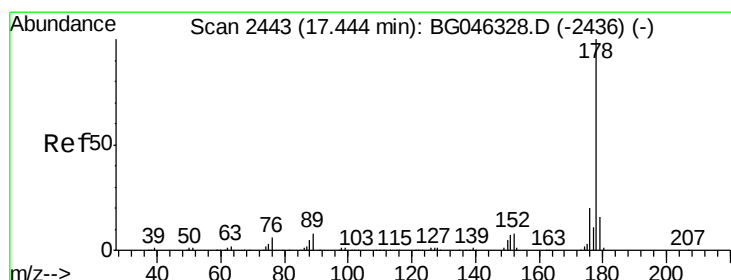
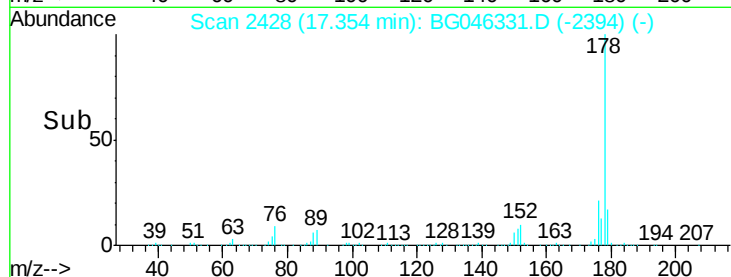
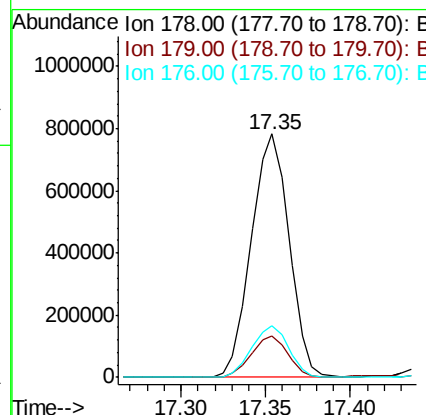
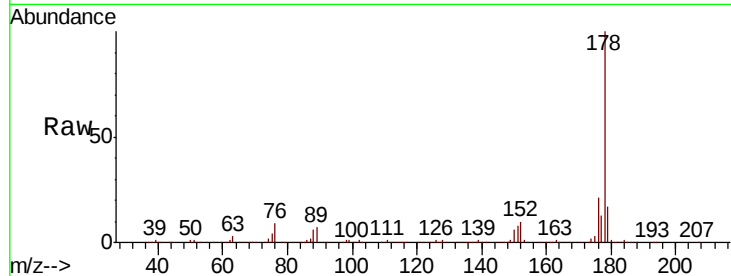
#14
Phenanthrene
Concen: 42.274 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Instrument :
BNA_G
ClientSampled :
BFMP5

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.8	19.2
176	21.0	15.8	23.8

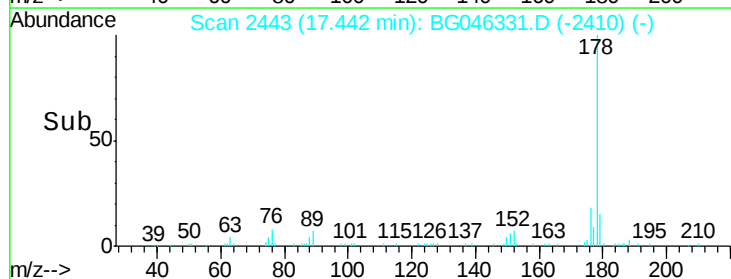
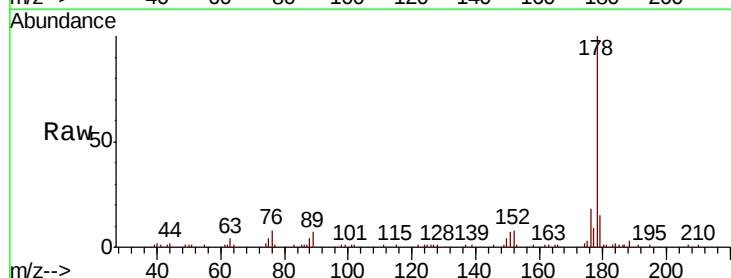
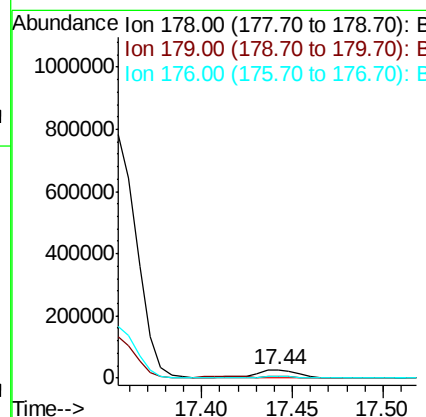
Manual Integrations
APPROVED

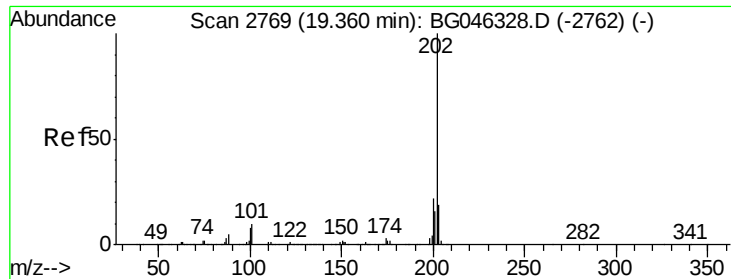
mohammad
8/19/2020 2:17:34 PM



#16
Anthracene
Concen: 1.524 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	13.2	19.8
176	18.3	15.2	22.8





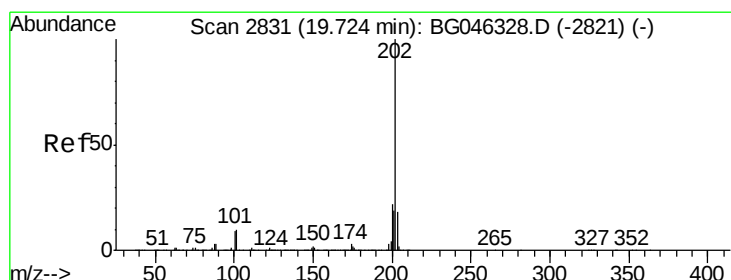
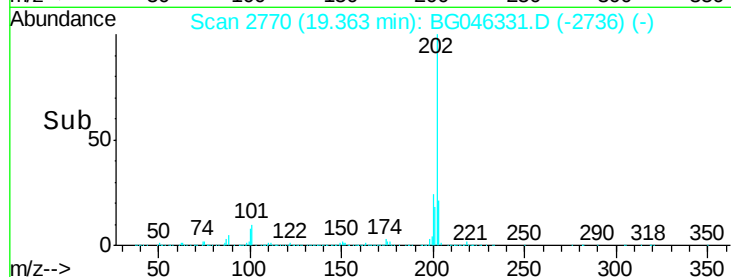
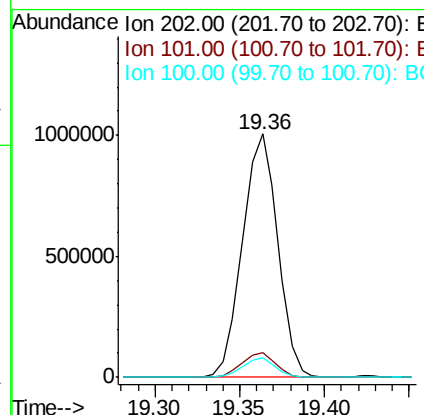
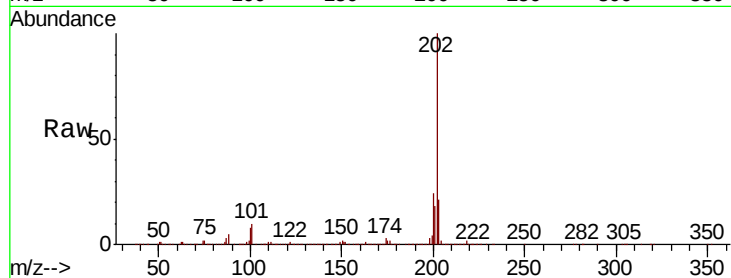
#17
Fluoranthene
Concen: 45.331 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Instrument :
BNA_G
ClientSampleId :
BFMP5

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.8	11.6
100	7.8	5.9	8.9

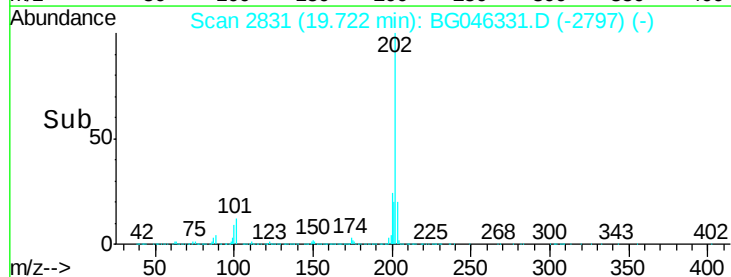
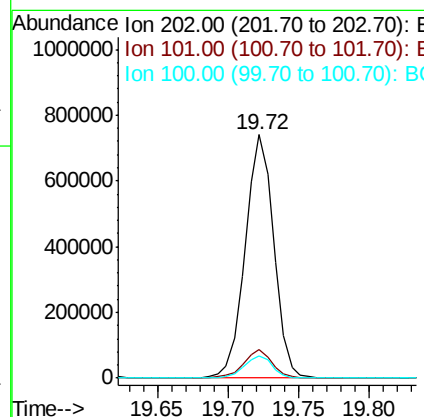
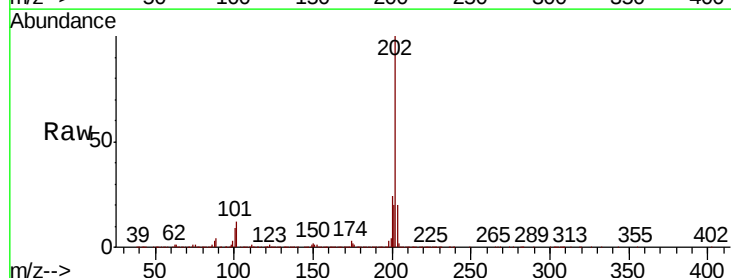
Manual Integrations
APPROVED

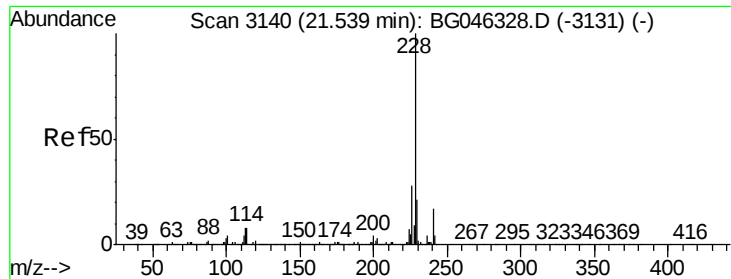
mohammad
8/19/2020 2:17:34 PM



#20
Pyrene
Concen: 30.320 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	8.9	13.3
100	9.2	7.9	11.9





#21

Benzo(a)anthracene

Concen: 11.374 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Instrument :

BNA_G

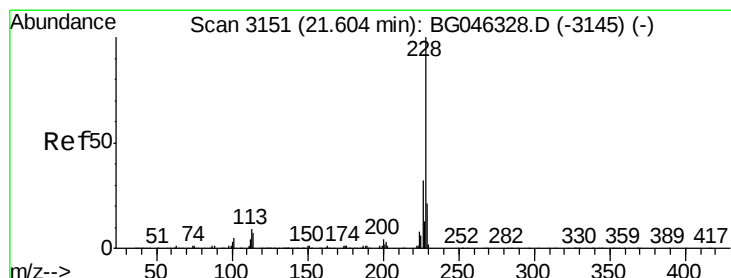
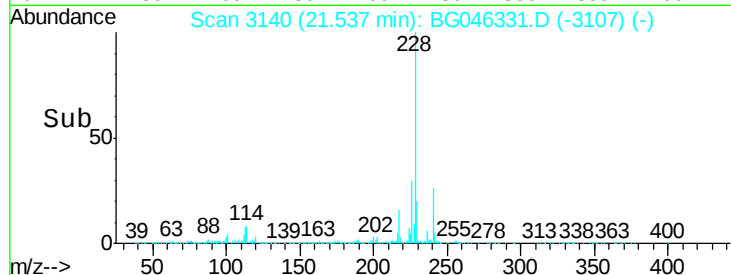
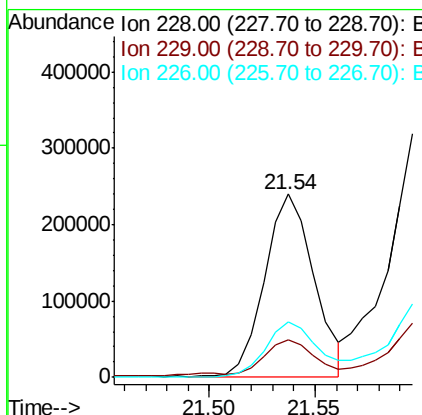
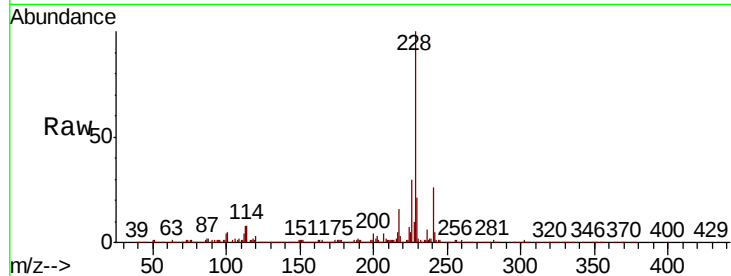
ClientSampleId :

BFMP5

Tot Ion:	228	Resp:	388641
Ion Ratio	Lower	Upper	
228	100		
229	20.6	16.6	25.0
226	30.0	22.6	33.8

Manual Integrations
APPROVED

mohammad
8/19/2020 2:17:34 PM



#22

Chrysene

Concen: 19.501 ng/ul

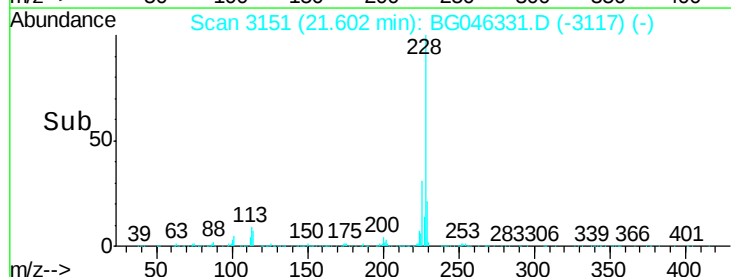
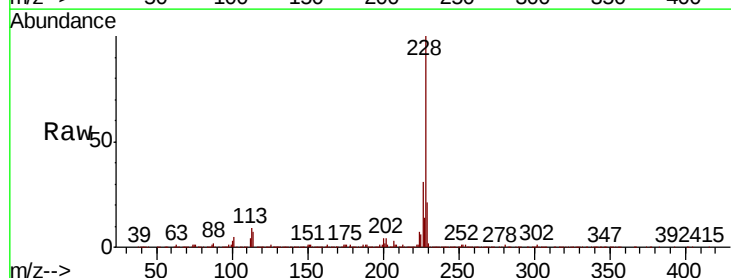
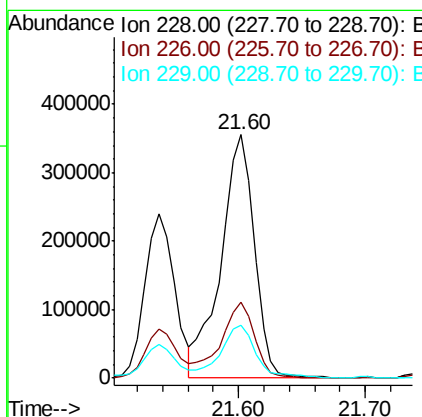
RT: 21.60 min Scan# 3151

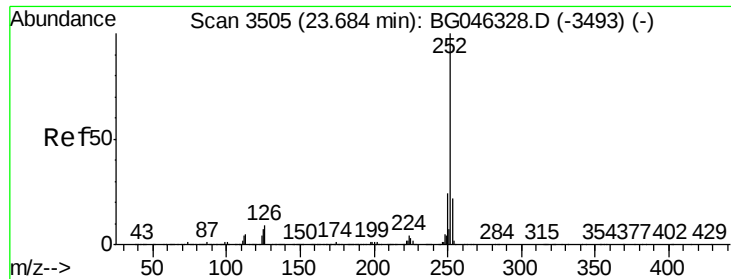
Delta R.T. -0.00 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Tgt Ion:	228	Resp:	644147
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.5	38.3
229	21.5	17.0	25.4





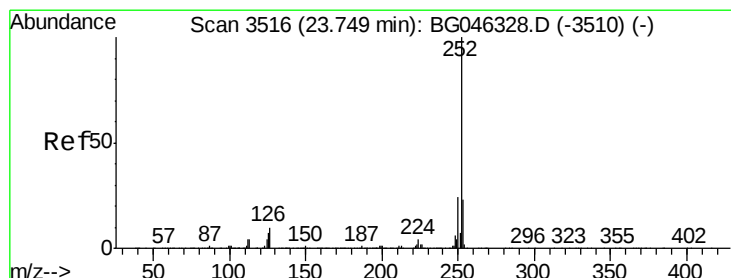
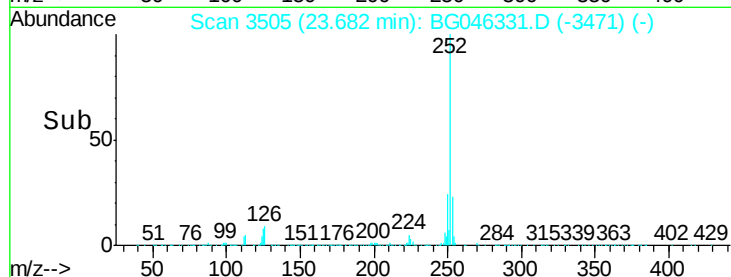
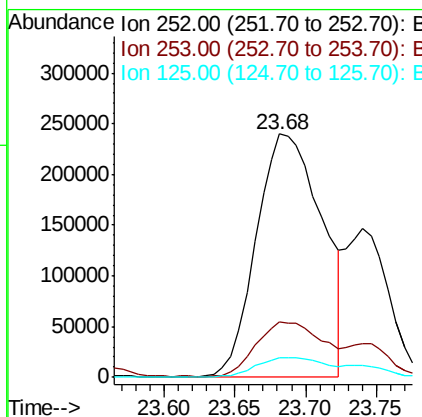
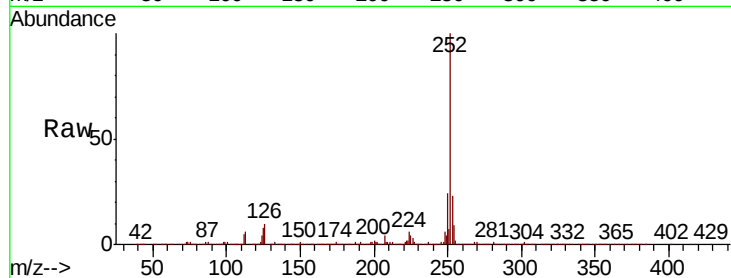
#24
Benzo(b)fluoranthene
Concen: 20.998 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Instrument :
BNA_G
ClientSampleId :
BFMP5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	8.2	6.4	9.6

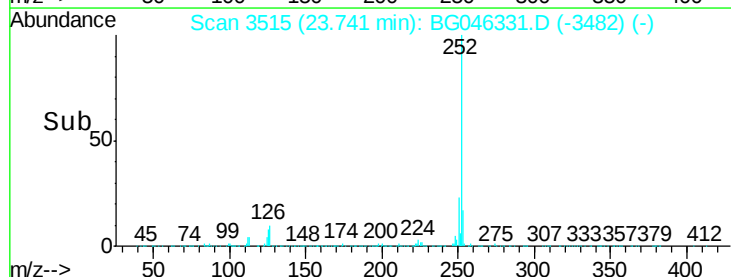
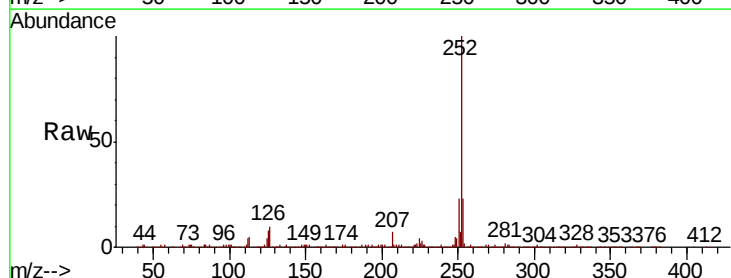
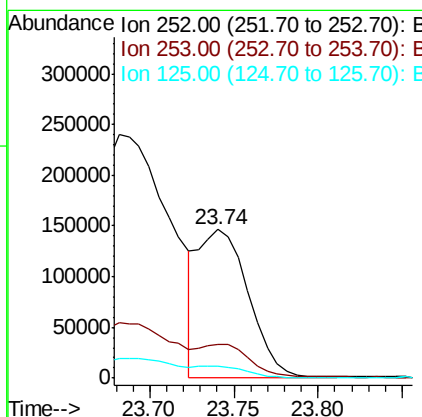
Manual Integrations
APPROVED

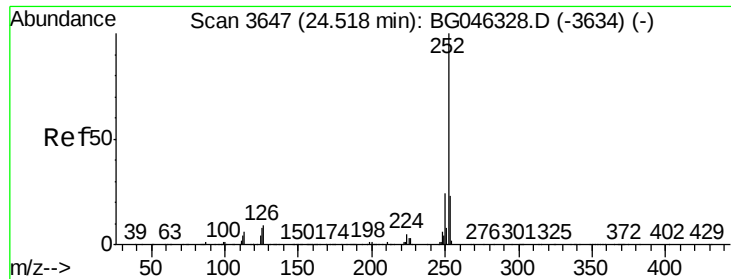
mohammad
8/19/2020 2:17:34 PM



#25
Benzo(k)fluoranthene
Concen: 8.334 ng/ul m
RT: 23.74 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	8.0	6.2	9.2





#27

Benzo(a)pyrene

Concen: 12.159 ng/ul

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Instrument :

BNA_G

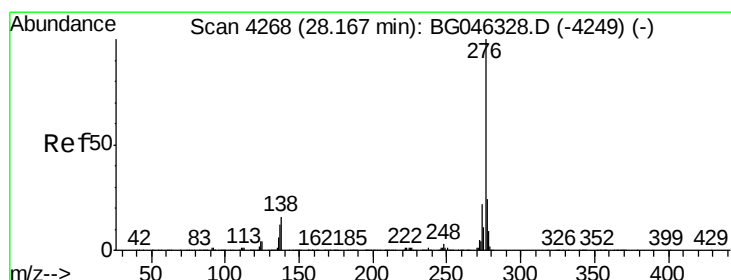
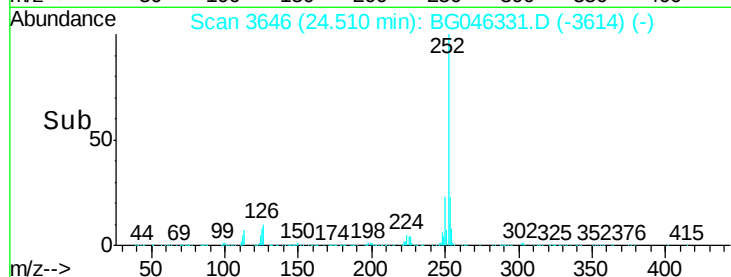
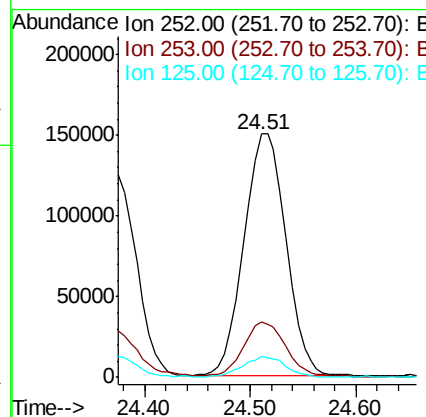
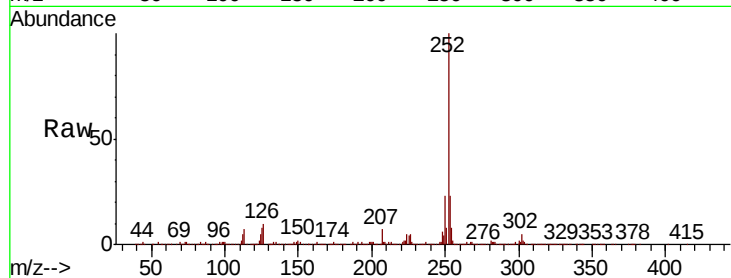
ClientSampleId :

BFMP5

Tot Ion:	252	Resp:	412588
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	8.3	7.1	10.7

Manual Integrations
APPROVED

mohammad
8/19/2020 2:17:34 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 7.985 ng/ul

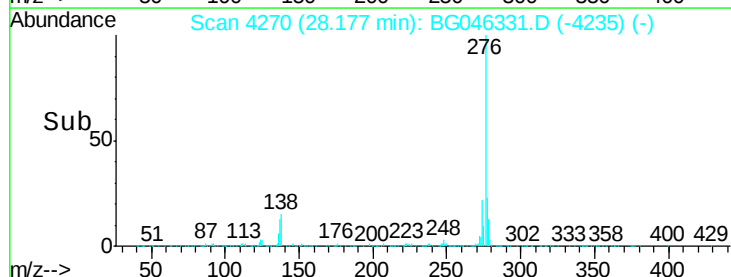
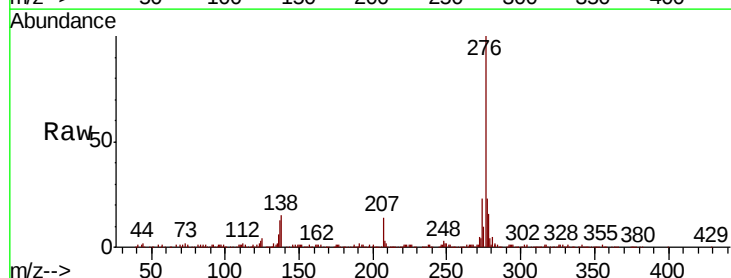
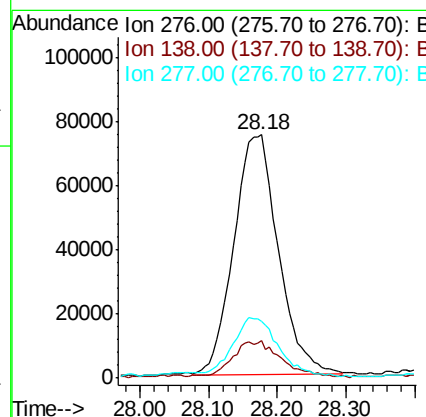
RT: 28.18 min Scan# 4270

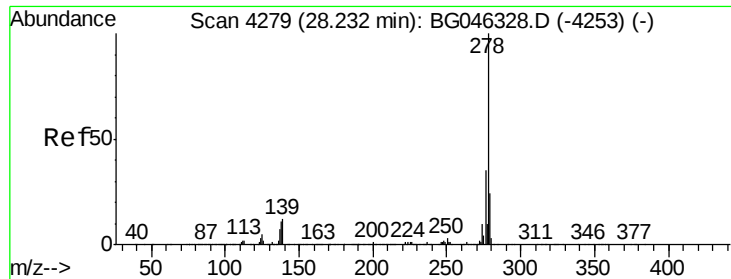
Delta R.T. 0.00 min

Lab File: BG046331.D

Acq: 18 Aug 2020 17:09

Tgt Ion:	276	Resp:	339287
Ion Ratio	Lower	Upper	
276	100		
138	15.4	13.2	19.8
277	23.3	19.9	29.9





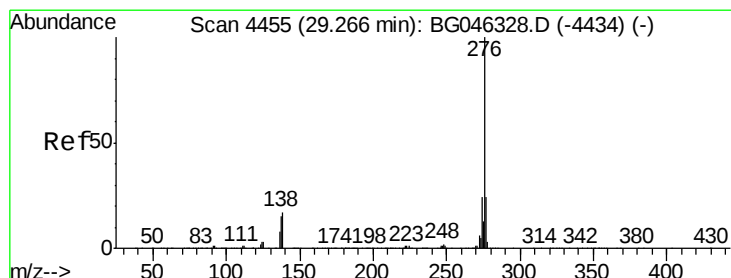
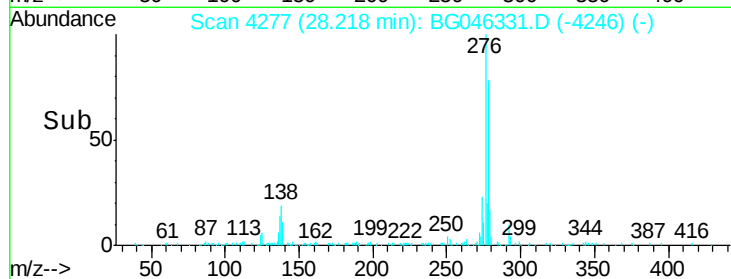
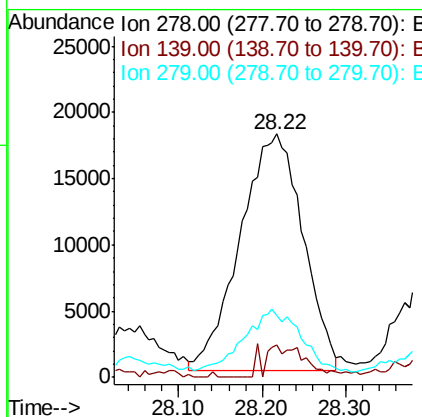
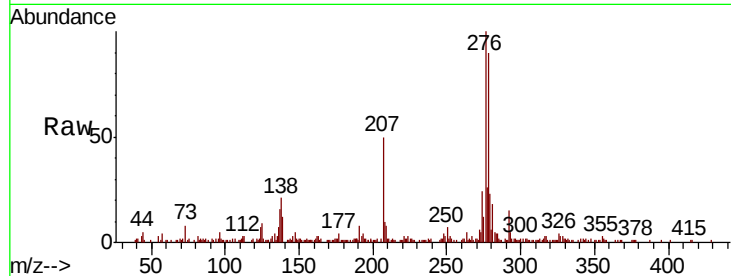
#29
Dibenzo(a,h)anthracene
Concen: 2.711 ng/ul m
RT: 28.22 min Scan# 4277
Delta R.T. -0.02 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Instrument :
BNA_G
ClientSampleId :
BFMP5

Tot Ion:	278	Resp:	93402
Ion Ratio	Lower	Upper	
278	100		
139	13.4	9.8	14.8
279	25.5	19.7	29.5

Manual Integrations
APPROVED

mohammad
8/19/2020 2:17:34 PM



#30
Benzo(g,h,i)perylene
Concen: 6.209 ng/ul
RT: 29.25 min Scan# 4453
Delta R.T. -0.01 min
Lab File: BG046331.D
Acq: 18 Aug 2020 17:09

Tgt Ion:	276	Resp:	220801
Ion Ratio	Lower	Upper	
276	100		
138	16.0	12.9	19.3
277	22.9	19.4	29.0

