

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046408.D
 Acq On : 21 Aug 2020 11:20
 Operator : CG/JU
 Sample : L3635-11
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMH7

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:46:28 PM

Quant Time: Aug 21 12:59:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 11:14:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	98255	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	398473	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	259210	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	564727	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	549273	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	600577	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	150760	21.97	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	547344	22.94	ng/ul	0.00
10) Fluorene-d10	15.56	176	420543	23.01	ng/ul	0.00
15) Anthracene-d10	17.41	188	575198	21.97	ng/ul	0.00
19) Pyrene-d10	19.70	212	643322	22.75	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	684122	20.87	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	209644	6.748	ng/ul	99
16) Anthracene	17.45	178	33198	1.059	ng/ul	95
17) Fluoranthene	19.36	202	504741	14.570	ng/ul	99
20) Pyrene	19.73	202	491999	13.646	ng/ul	98
21) Benzo(a)anthracene	21.54	228	258858	7.243	ng/ul	96
22) Chrysene	21.61	228	304225	8.806	ng/ul	99
24) Benzo(b)fluoranthene	23.69	252	436060	10.980	ng/ul	99
25) Benzo(k)fluoranthene	23.75	252	150162m	3.812	ng/ul	
27) Benzo(a)pyrene	24.53	252	273773	7.509	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.19	276	191841	4.202	ng/ul	98
29) Dibenzo(a,h)anthracene	28.23	278	57767m	1.561	ng/ul	
30) Benzo(a,h,i)perylene	29.29	276	164199	4.298	ng/ul	98

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

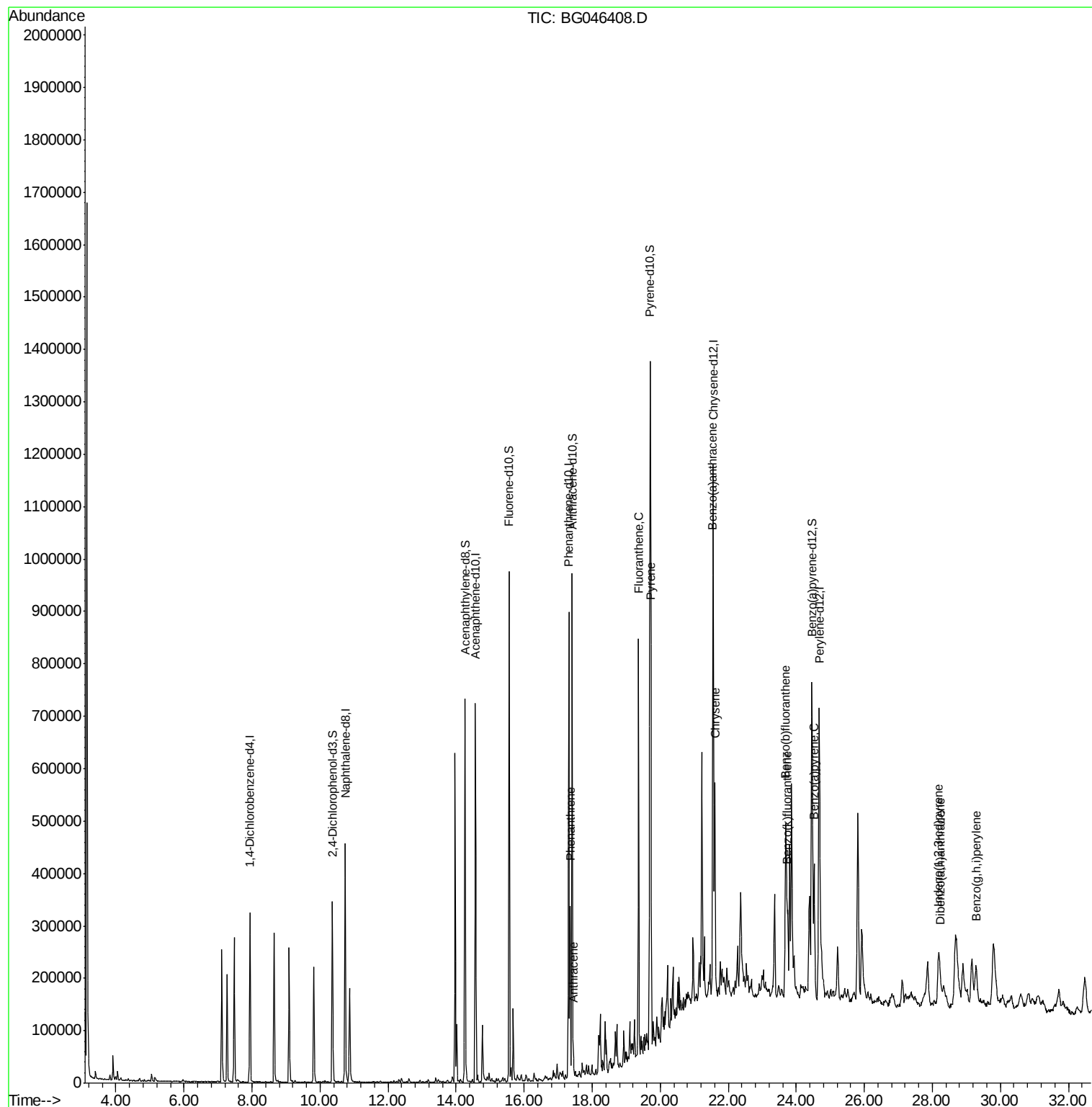
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046408.D
Acq On : 21 Aug 2020 11:20
Operator : CG/JU
Sample : L3635-11
Misc :
ALS Vial : 72 Sample Multiplier: 1

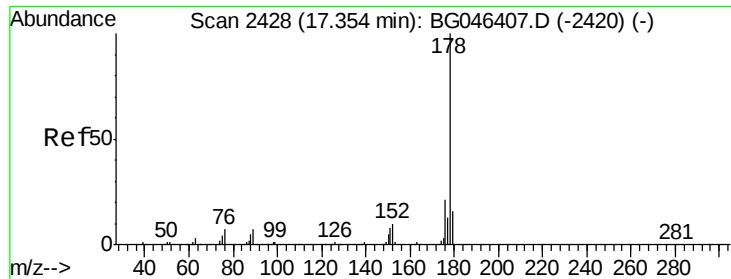
Instrument :
BNA_G
ClientSampleId :
BFMH7

Quant Time: Aug 21 12:59:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 11:14:19 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:28 PM





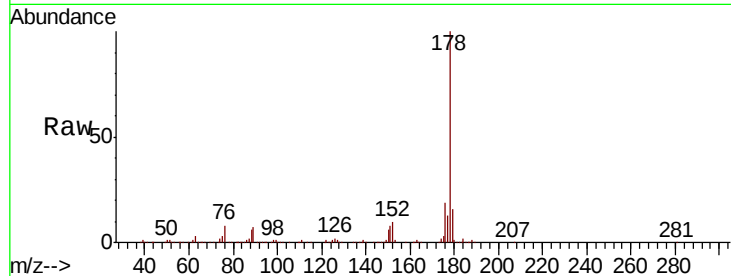
#14
Phenanthrene
Concen: 6.748 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046408.D
Acq: 21 Aug 2020 11:20

Instrument :
BNA_G
ClientSampleId :
BFMH7

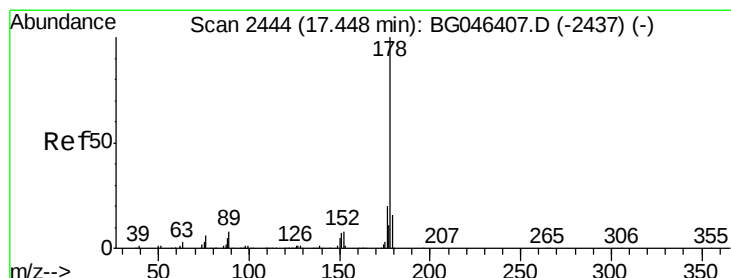
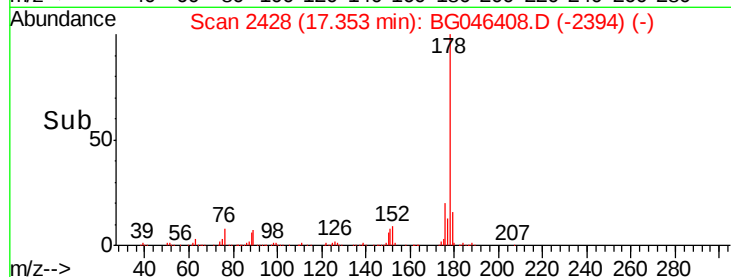
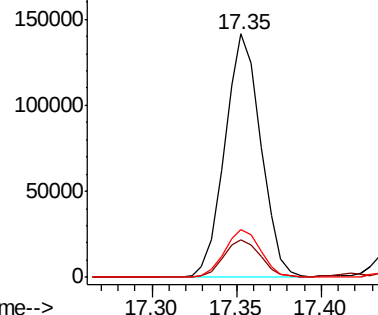
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2
176	19.5	15.8	23.8

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:28 PM

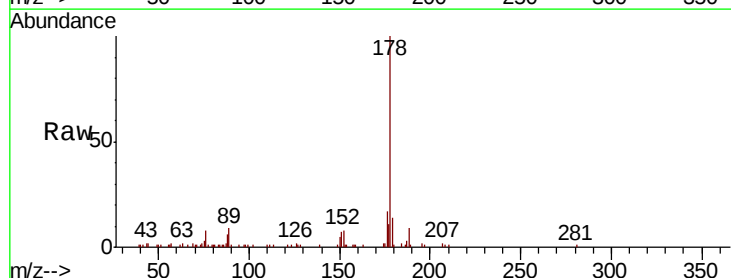


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

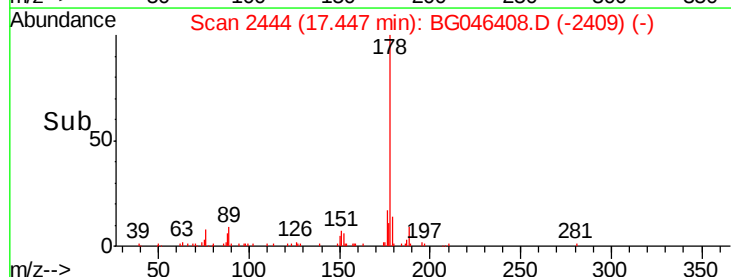
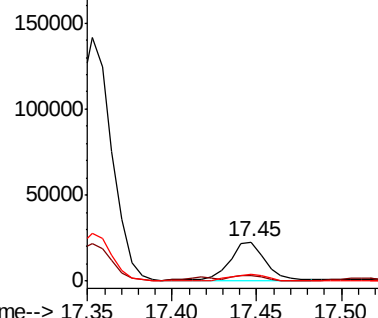


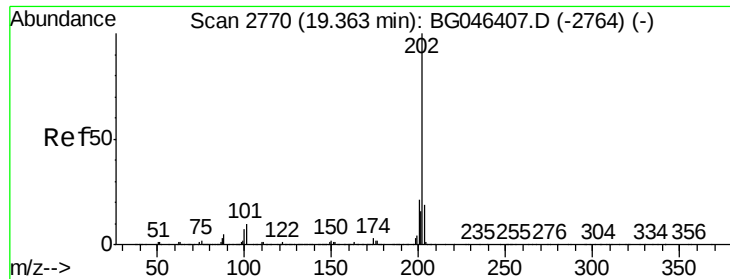
#16
Anthracene
Concen: 1.059 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. 0.00 min
Lab File: BG046408.D
Acq: 21 Aug 2020 11:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.2	13.2	19.8
176	16.5	15.2	22.8



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





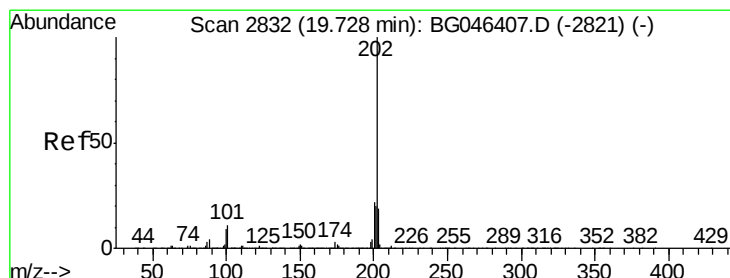
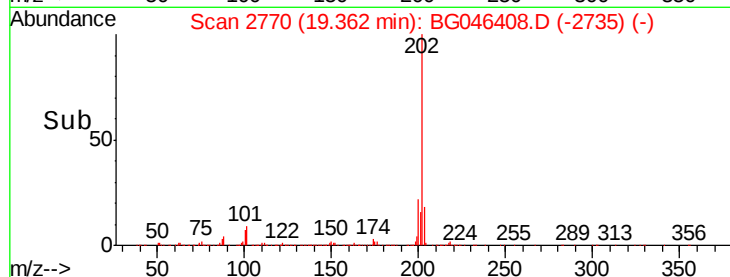
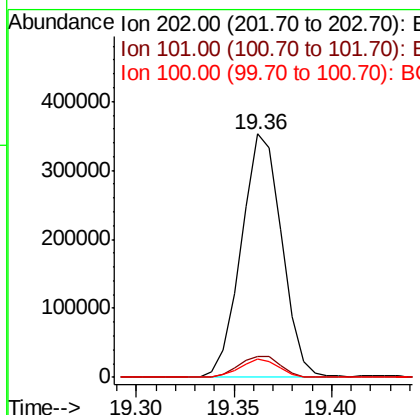
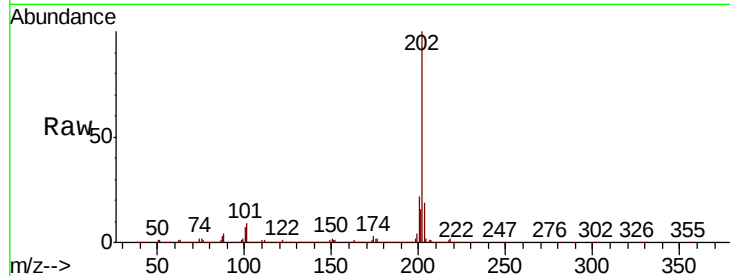
#17
 Fluoranthene
 Concen: 14.570 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046408.D
 Acq: 21 Aug 2020 11:20

Instrument :
 BNA_G
 ClientSampleId :
 BFMH7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	504741		
101	8.8		7.8	11.6
100	7.4		5.9	8.9

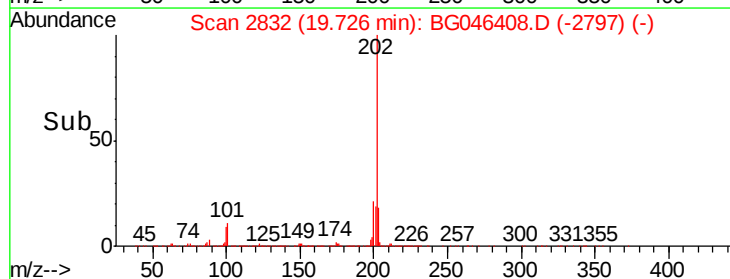
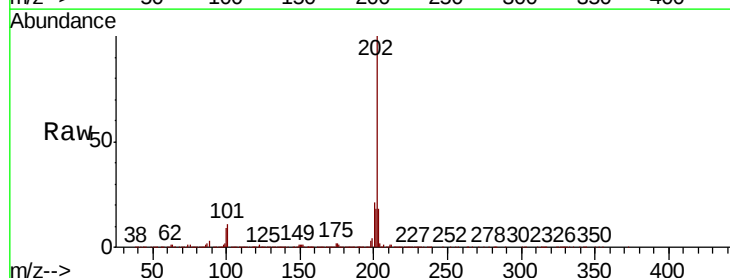
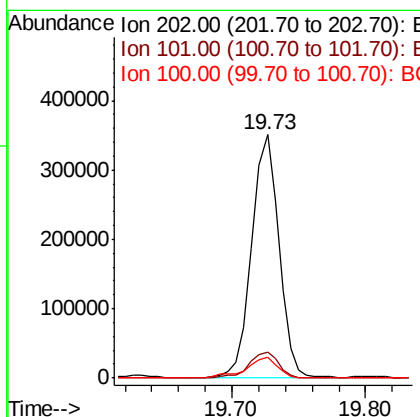
Manual Integrations
 APPROVED

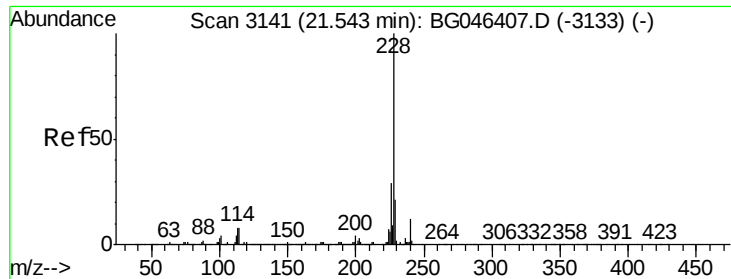
Sohil
 8/24/2020 1:46:28 PM



#20
 Pyrene
 Concen: 13.646 ng/ul
 RT: 19.73 min Scan# 2832
 Delta R.T. 0.00 min
 Lab File: BG046408.D
 Acq: 21 Aug 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	491999		
101	10.8		8.9	13.3
100	8.7		7.9	11.9





#21

Benzo(a)anthracene

Concen: 7.243 ng/ul

RT: 21.54 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046408.D

Acq: 21 Aug 2020 11:20

Instrument :

BNA_G

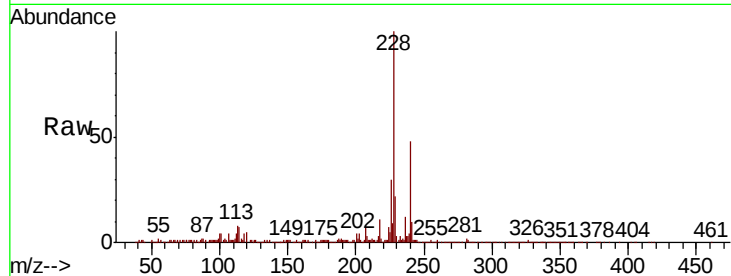
ClientSampleId :

BFMH7

Tot Ion:	228	Resp:	258858
Ion Ratio	Lower	Upper	
228	100		
229	22.2	16.6	25.0
226	30.5	22.6	33.8

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:28 PM

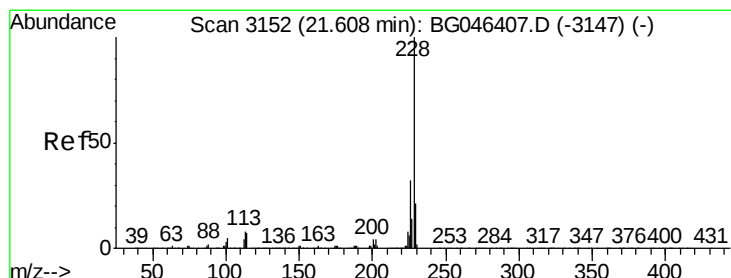
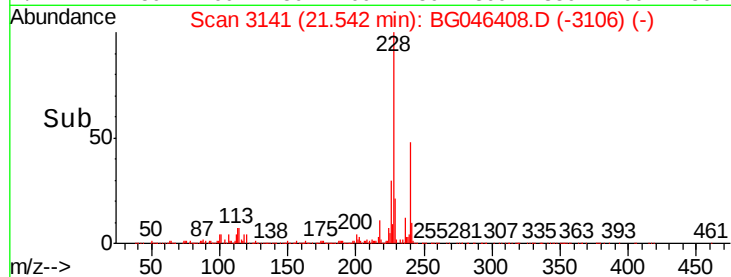
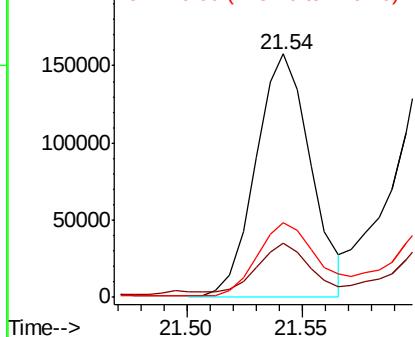


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 8.806 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046408.D

Acq: 21 Aug 2020 11:20

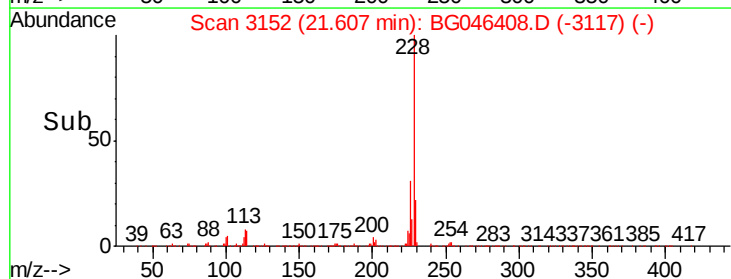
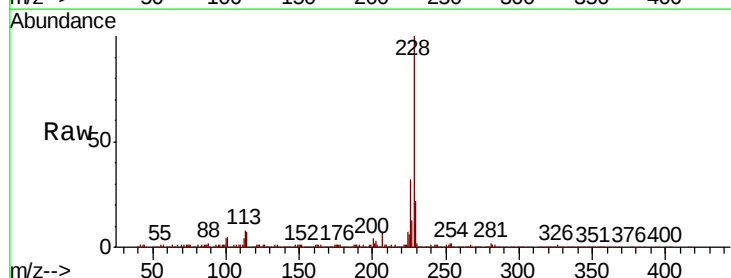
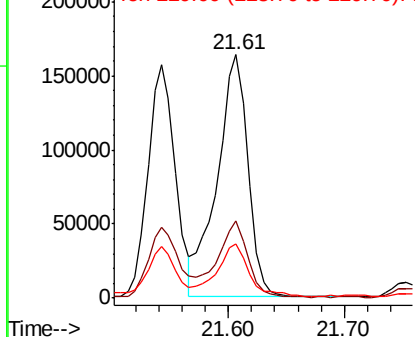
Tgt Ion:	228	Resp:	304225
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.5	38.3
229	22.4	17.0	25.4

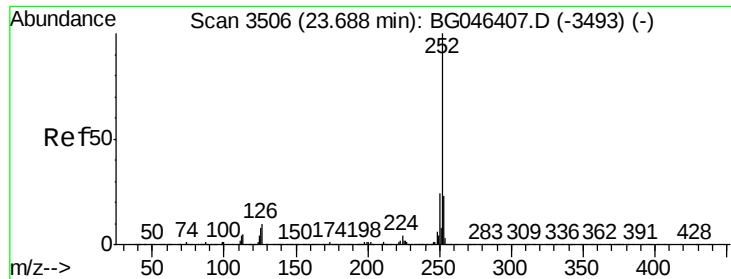
Abundance

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





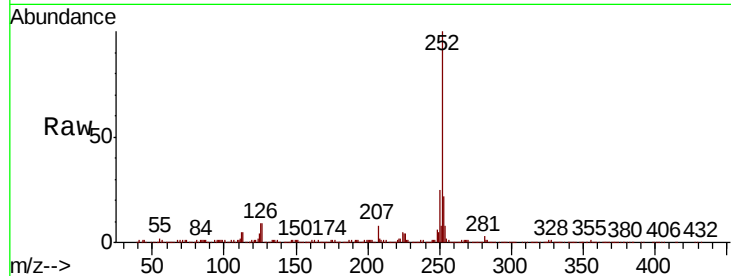
#24
Benzo(b)fluoranthene
Concen: 10.980 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. 0.01 min
Lab File: BG046408.D
Acq: 21 Aug 2020 11:20

Instrument :
BNA_G
ClientSampled :
BFMH7

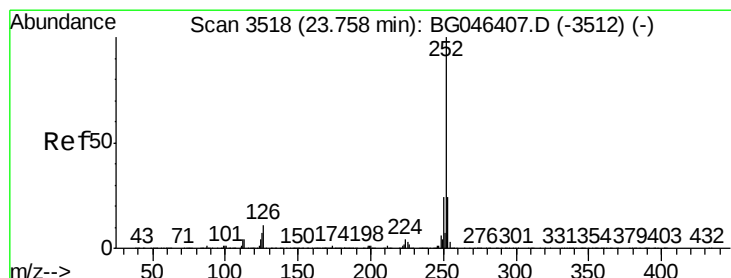
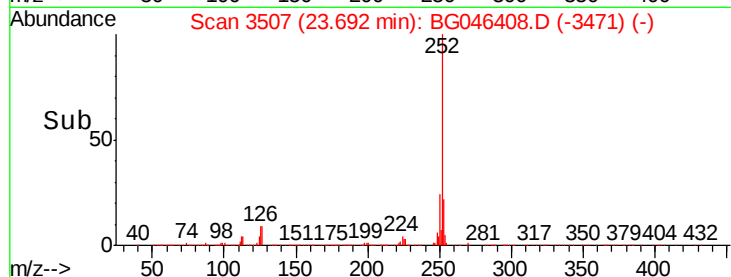
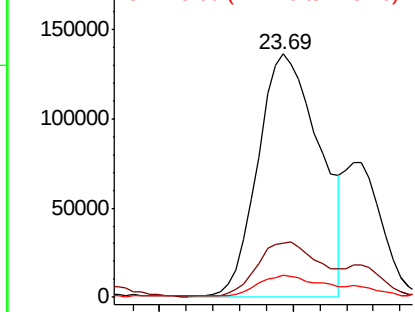
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.0	6.4	9.6

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:28 PM



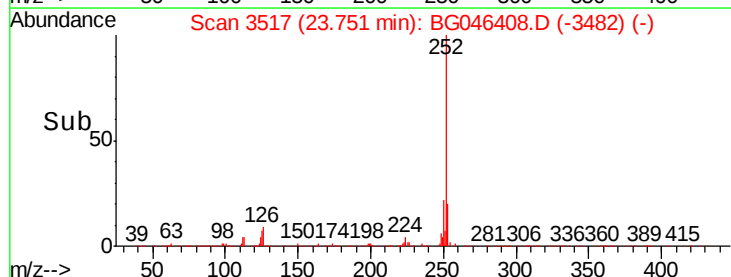
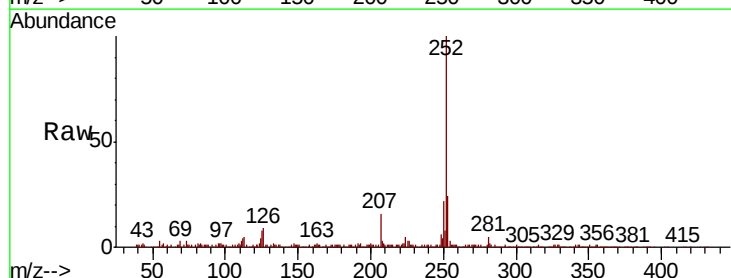
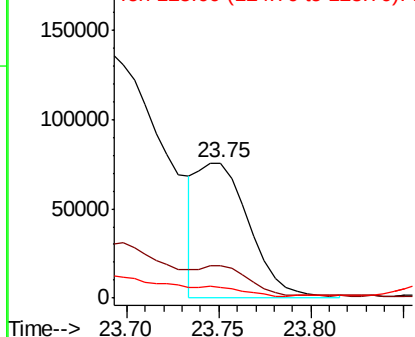
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

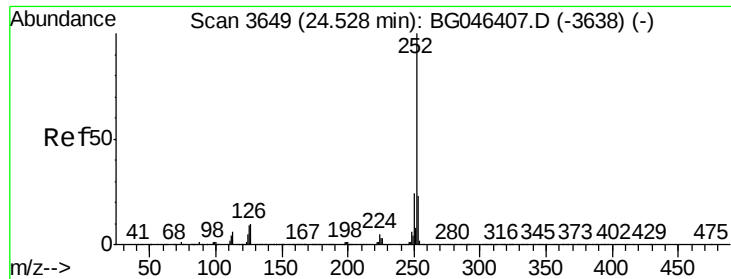


#25
Benzo(k)fluoranthene
Concen: 3.812 ng/ul m
RT: 23.75 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BG046408.D
Acq: 21 Aug 2020 11:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	8.1	6.2	9.2

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: 7.509 ng/u1

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046408.D

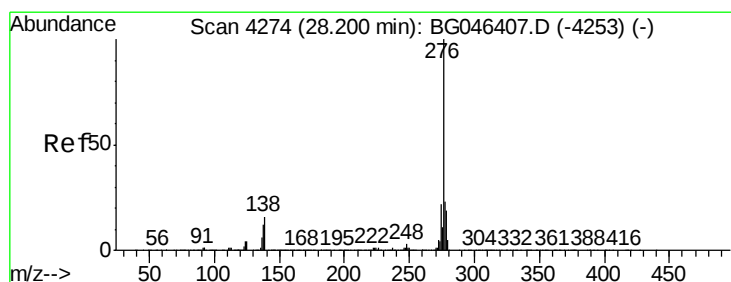
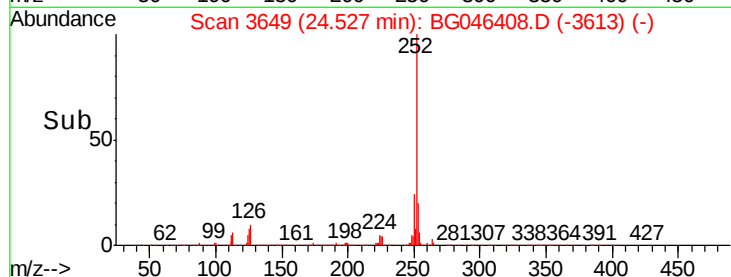
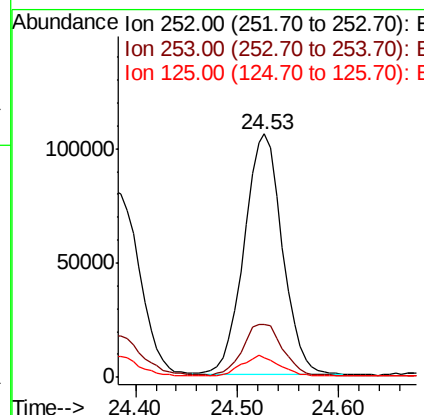
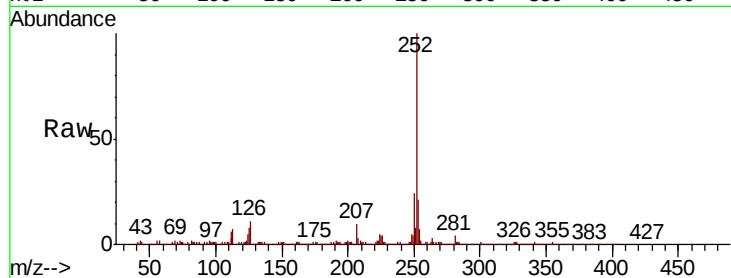
Acq: 21 Aug 2020 11:20

Instrument :
BNA_G
ClientSampleId :
BFMH7

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.2	7.1	10.7

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:28 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.202 ng/u1

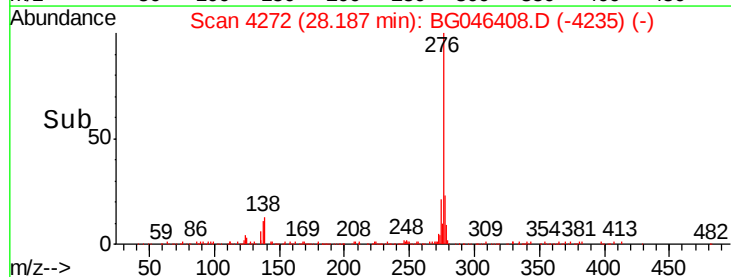
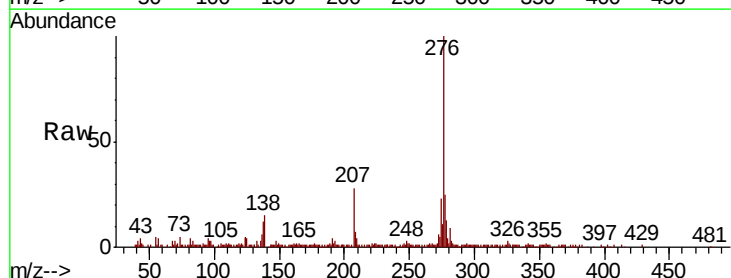
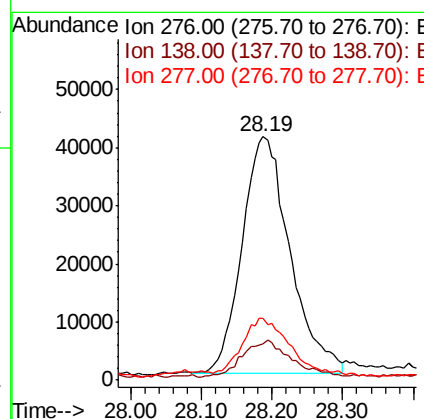
RT: 28.19 min Scan# 4272

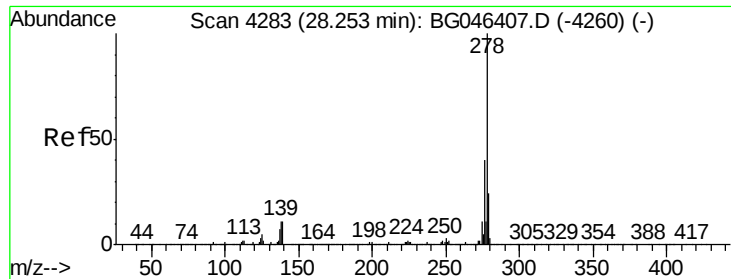
Delta R.T. 0.02 min

Lab File: BG046408.D

Acq: 21 Aug 2020 11:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	13.2	19.8
277	25.4	19.9	29.9





#29

Dibenzo(a,h)anthracene

Concen: 1.561 ng/ul m

RT: 28.23 min Scan# 4280

Delta R.T. 0.00 min

Lab File: BG046408.D

Acq: 21 Aug 2020 11:20

Instrument :

BNA_G

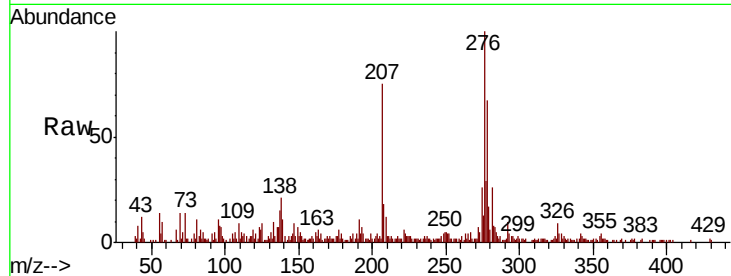
ClientSampled :

BFMH7

Tot Ion:	278	Resp:	57767
Ion Ratio	Lower	Upper	
278	100		
139	16.6	9.8	14.8#
279	25.7	19.7	29.5

Manual Integrations
APPROVED

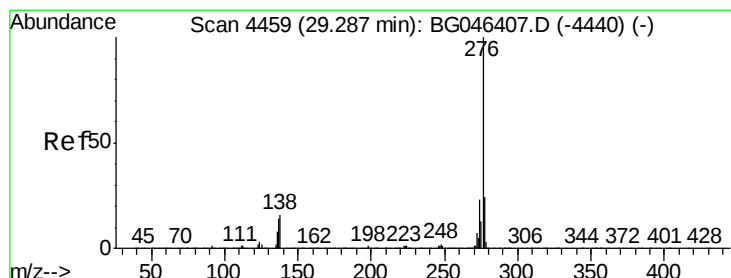
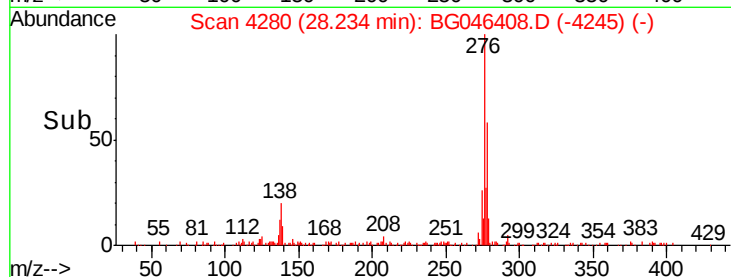
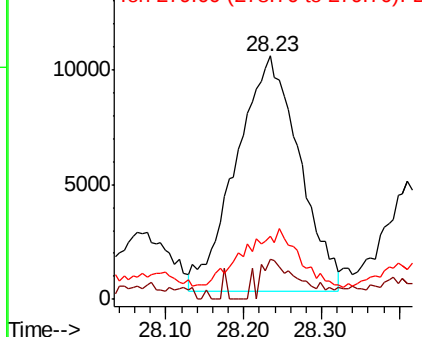
Sohil
8/24/2020 1:46:28 PM



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



#30

Benzo(g,h,i)perylene

Concen: 4.298 ng/ul

RT: 29.29 min Scan# 4459

Delta R.T. 0.02 min

Lab File: BG046408.D

Acq: 21 Aug 2020 11:20

Tgt Ion:	276	Resp:	164199
Ion Ratio	Lower	Upper	
276	100		
138	14.8	12.9	19.3
277	25.0	19.4	29.0

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

