

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046314.D
 Acq On : 18 Aug 2020 3:18
 Operator : CG/JU
 Sample : L3632-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM91

Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:16:25 PM

Quant Time: Aug 18 04:46:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 02:05:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	91532	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	381174	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	258158	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	585129	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	591450	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	626528	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	31160	4.75	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	123861	5.21	ng/ul	0.00
10) Fluorene-d10	15.56	176	103045	5.66	ng/ul	0.00
15) Anthracene-d10	17.41	188	150842	5.56	ng/ul	0.00
19) Pyrene-d10	19.69	212	163450	5.37	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	166753	4.88	ng/ul	0.00
Target Compounds						
14) Phenanthrene	17.35	178	246248	7.650	ng/ul	98
17) Fluoranthene	19.36	202	381096	10.617	ng/ul	97
20) Pyrene	19.72	202	304439	7.842	ng/ul	98
21) Benzo(a)anthracene	21.54	228	140665	3.655	ng/ul	97
22) Chrysene	21.60	228	182246	4.899	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	242442	5.852	ng/ul	97
25) Benzo(k)fluoranthene	23.73	252	80848m	1.967	ng/ul	
27) Benzo(a)pyrene	24.51	252	129086	3.394	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.15	276	105513	2.215	ng/ul	97
30) Benzo(g,h,i)perylene	29.25	276	75049	1.883	ng/ul#	94

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

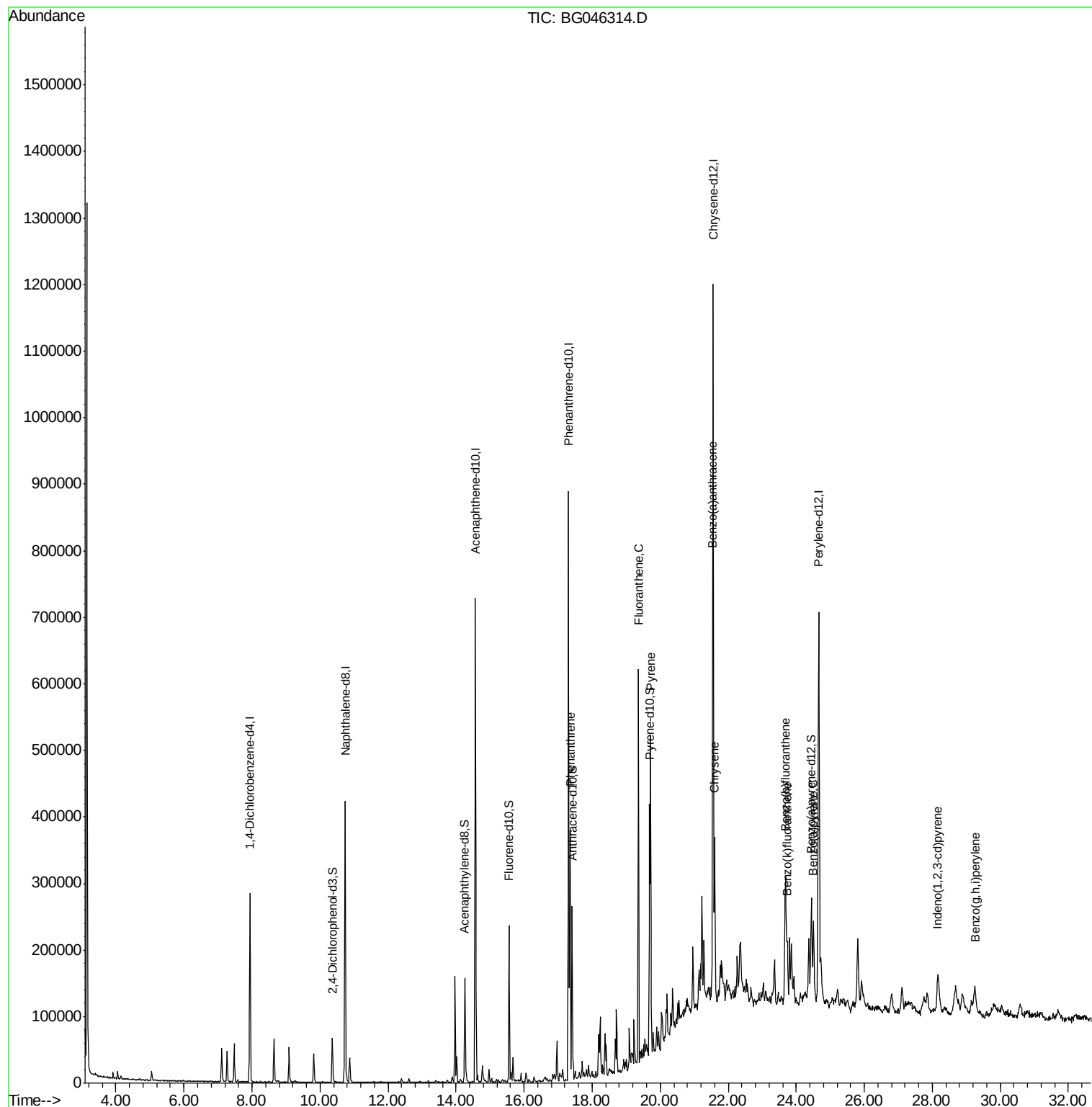
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046314.D
Acq On : 18 Aug 2020 3:18
Operator : CG/JU
Sample : L3632-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

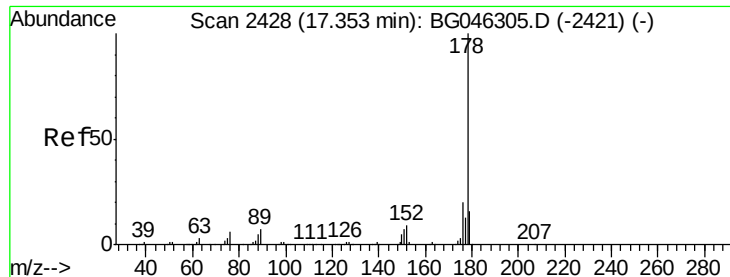
Instrument :
BNA_G
ClientSampleId :
BFM91

Quant Time: Aug 18 04:46:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 02:05:56 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:25 PM





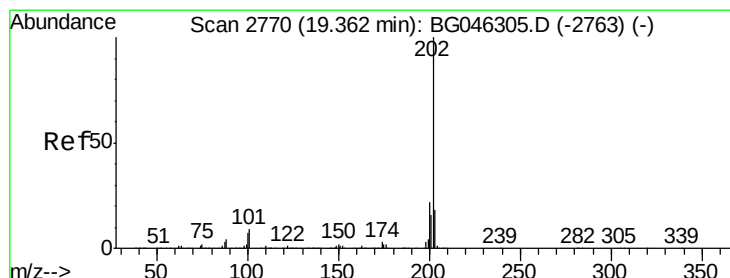
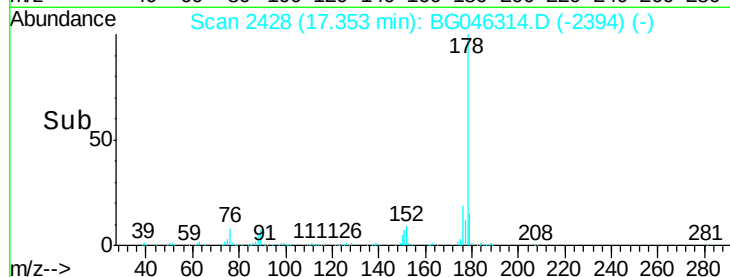
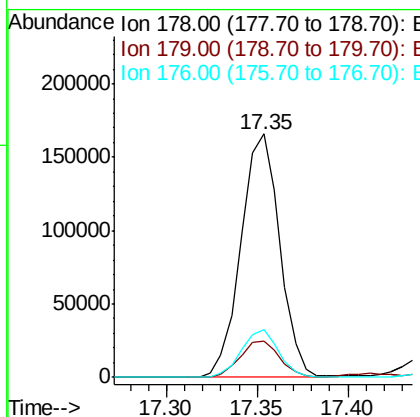
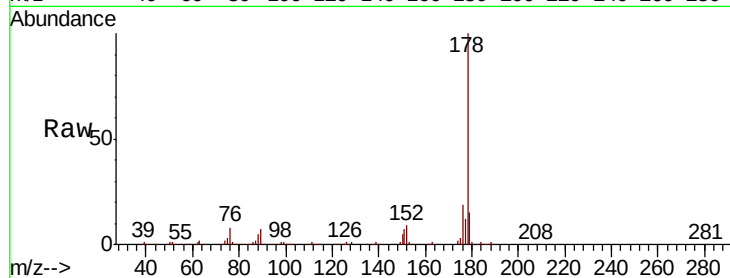
#14
Phenanthrene
Concen: 7.650 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046314.D
Acq: 18 Aug 2020 3:18

Instrument :
BNA_G
ClientSampleId :
BFM91

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.8	19.2
176	19.4	15.8	23.8

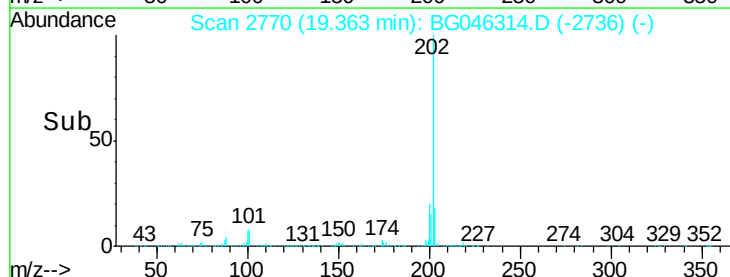
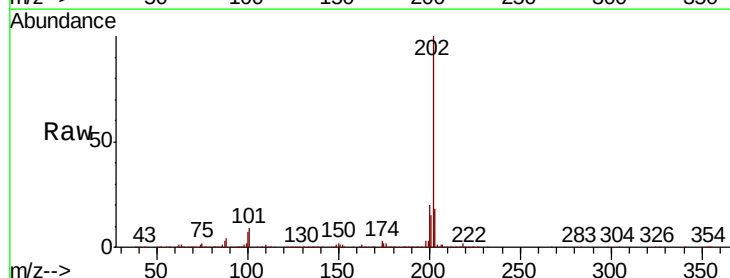
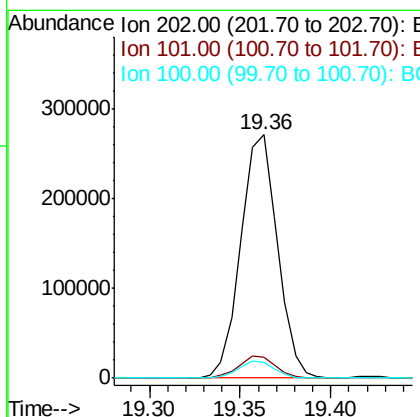
Manual Integrations
APPROVED

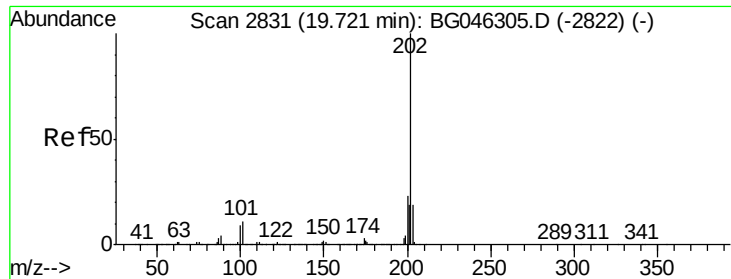
mohammad
8/19/2020 2:16:25 PM



#17
Fluoranthene
Concen: 10.617 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BG046314.D
Acq: 18 Aug 2020 3:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.8	11.6
100	6.6	5.9	8.9





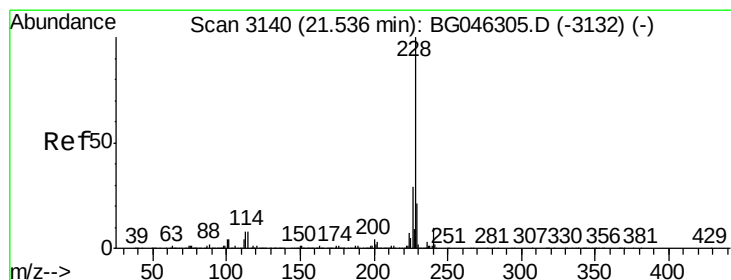
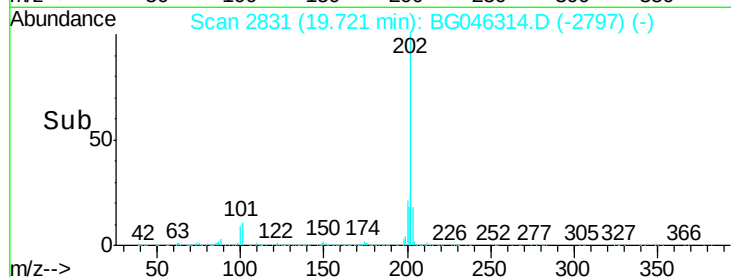
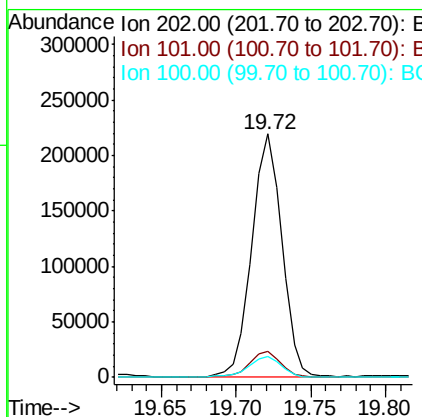
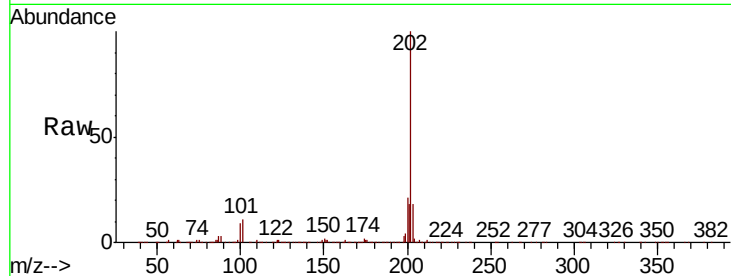
#20
Pvrene
Concen: 7.842 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046314.D
Acq: 18 Aug 2020 3:18

Instrument :
BNA_G
ClientSampleId :
BFM91

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.6	8.9	13.3	
100	8.6	7.9	11.9	

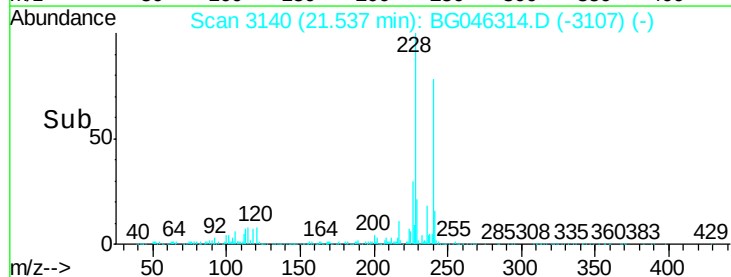
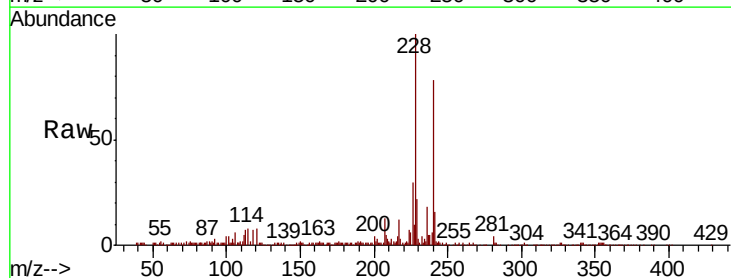
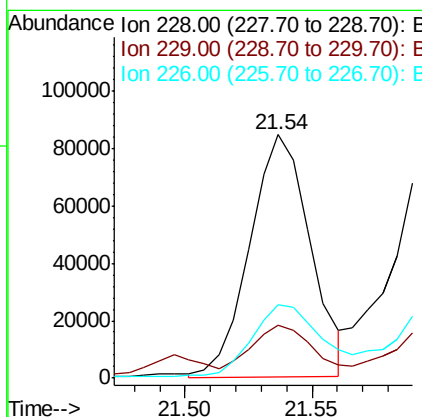
Manual Integrations
APPROVED

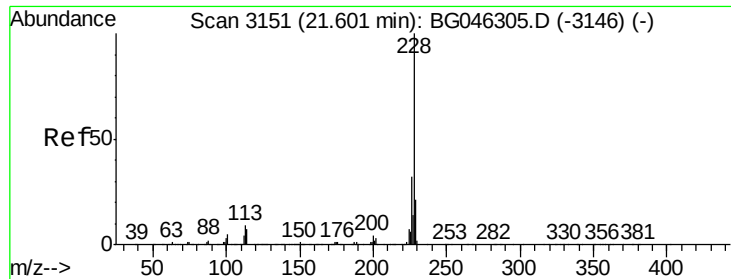
mohammad
8/19/2020 2:16:25 PM



#21
Benzo(a)anthracene
Concen: 3.655 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046314.D
Acq: 18 Aug 2020 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
229	21.9	16.6	25.0	
226	30.2	22.6	33.8	





#22

Chrysene

Concen: 4.899 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046314.D

Acq: 18 Aug 2020 3:18

Instrument :

BNA_G

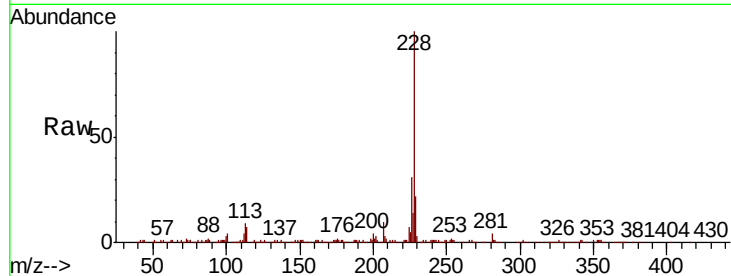
ClientSampleId :

BFM91

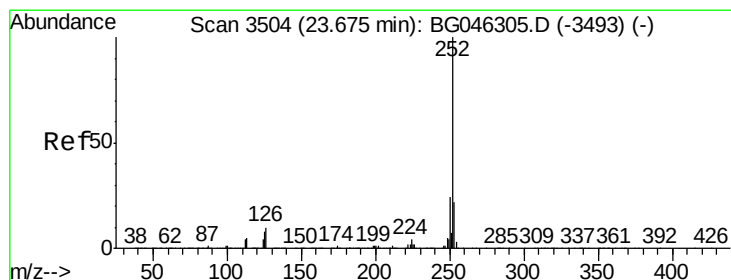
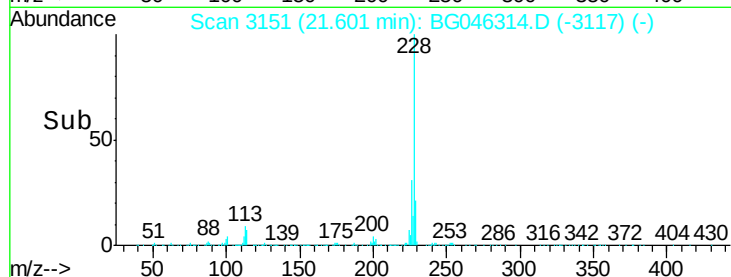
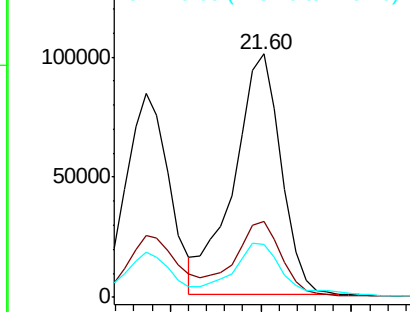
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	21.9	17.0	25.4

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:25 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: 5.852 ng/ul

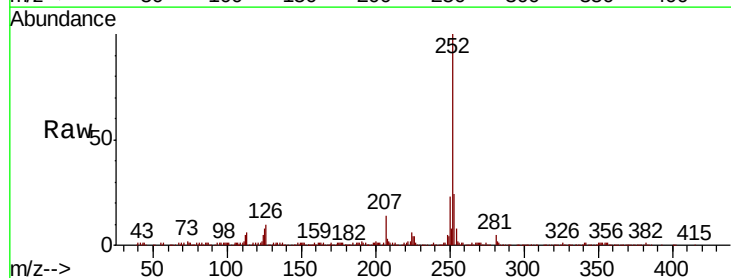
RT: 23.68 min Scan# 3505

Delta R.T. -0.00 min

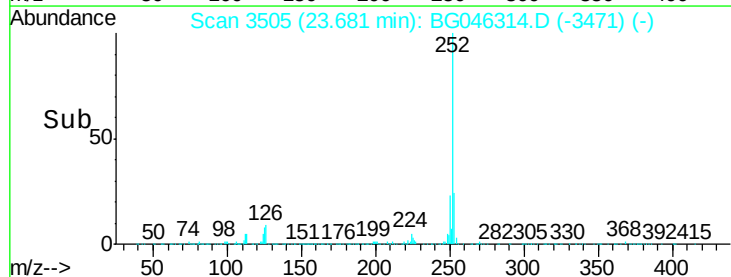
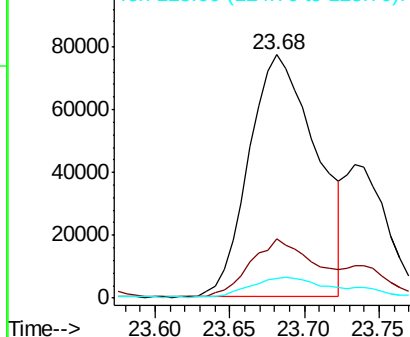
Lab File: BG046314.D

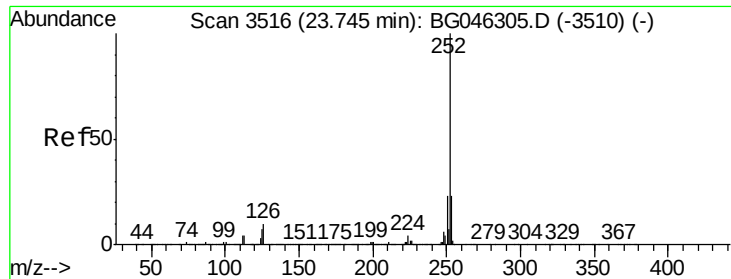
Acq: 18 Aug 2020 3:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	8.1	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





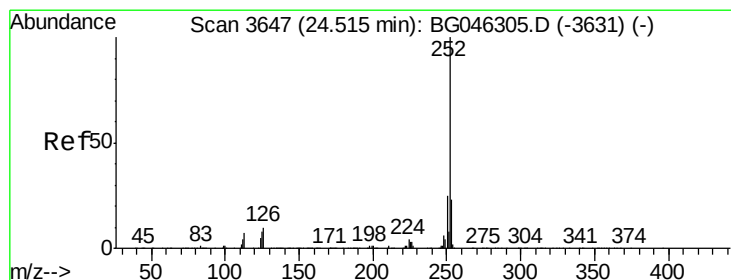
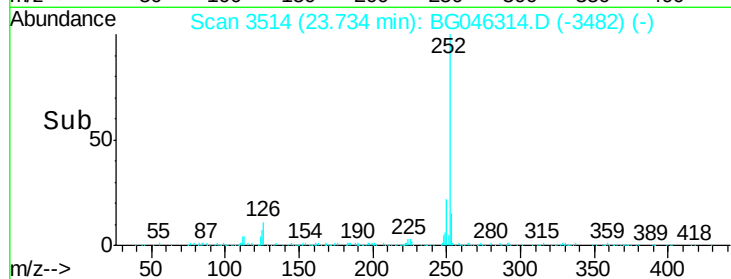
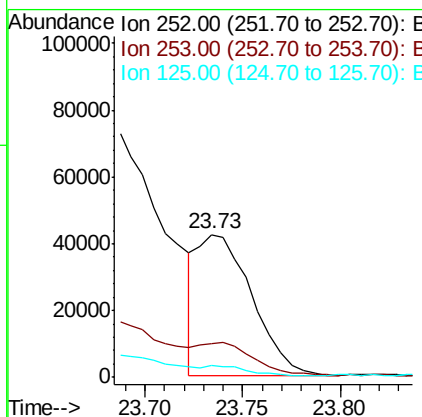
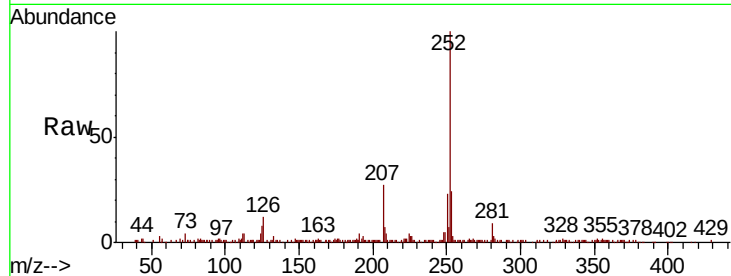
#25
Benzo(k)fluoranthene
Concen: 1.967 ng/ul m
RT: 23.73 min Scan# 3514
Delta R.T. -0.01 min
Lab File: BG046314.D
Acq: 18 Aug 2020 3:18

Instrument :
BNA_G
ClientSampled :
BFM91

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	7.9	6.2	9.2

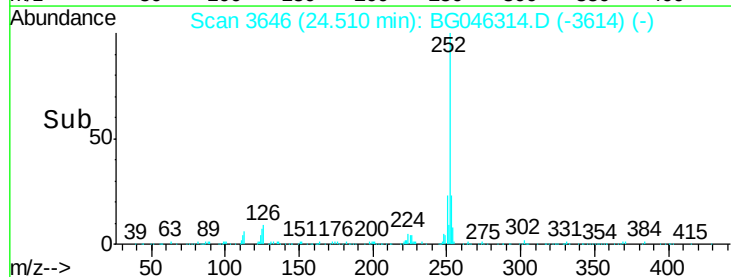
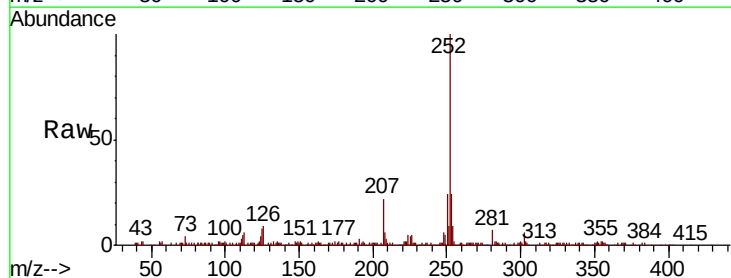
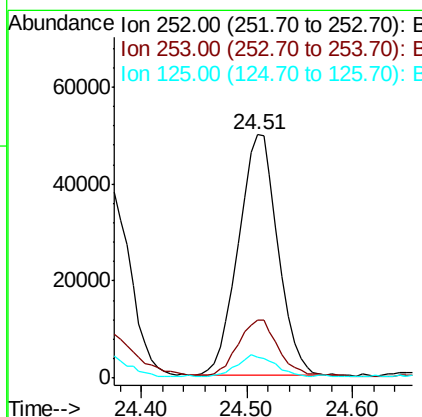
Manual Integrations
APPROVED

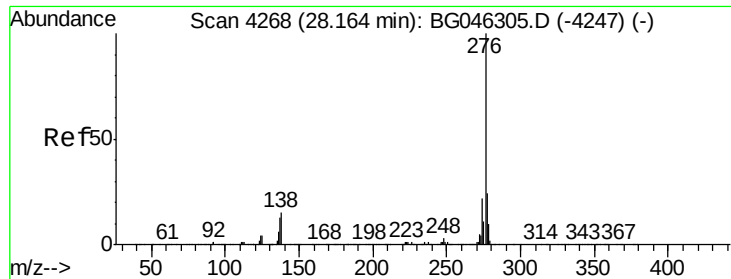
mohammad
8/19/2020 2:16:25 PM



#27
Benzo(a)pyrene
Concen: 3.394 ng/ul
RT: 24.51 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG046314.D
Acq: 18 Aug 2020 3:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	8.3	7.1	10.7





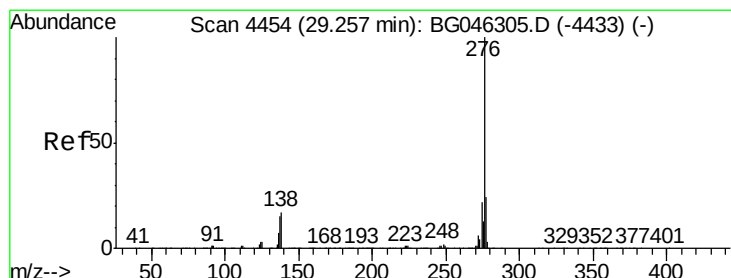
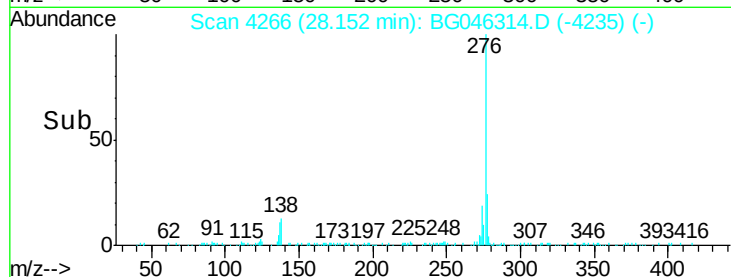
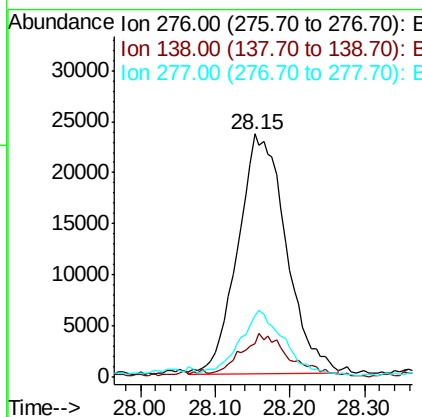
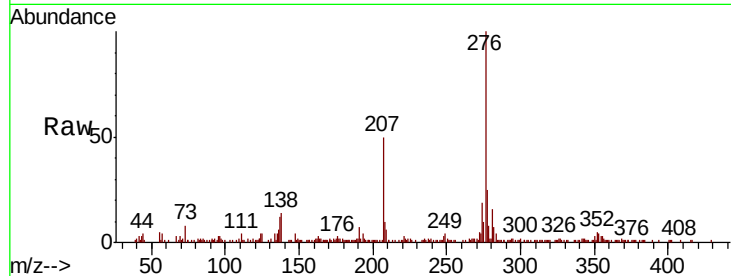
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 2.215 ng/ul
 RT: 28.15 min Scan# 4266
 Delta R.T. -0.02 min
 Lab File: BG046314.D
 Acq: 18 Aug 2020 3:18

Instrument :
 BNA_G
 ClientSampleId :
 BFM91

Tot Ion:	276	Resp:	105513
Ion Ratio	Lower	Upper	
276	100		
138	13.9	13.2	19.8
277	25.4	19.9	29.9

Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:16:25 PM



#30
 Benzo(g,h,i)perylene
 Concen: 1.883 ng/ul
 RT: 29.25 min Scan# 4452
 Delta R.T. -0.02 min
 Lab File: BG046314.D
 Acq: 18 Aug 2020 3:18

Tgt Ion:	276	Resp:	75049
Ion Ratio	Lower	Upper	
276	100		
138	19.6	12.9	19.3#
277	22.3	19.4	29.0

