

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046296.D
 Acq On : 17 Aug 2020 13:50
 Operator : CG/JU
 Sample : L3632-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM79

Manual Integrations
 APPROVED

mohammad
 8/19/2020 2:15:39 PM

Quant Time: Aug 17 16:20:02 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	76204	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.73	136	311896	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.56	164	216746	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.31	188	528374	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	564983	20.00	ng/ul	0.00
23) Perylene-d12	24.65	264	605940	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	134371	25.02	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	547944	27.47	ng/ul	0.00
10) Fluorene-d10	15.56	176	415896	27.21	ng/ul	0.00
15) Anthracene-d10	17.41	188	667872	27.27	ng/ul	0.00
19) Pyrene-d10	19.69	212	831118	28.58	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.44	264	928910	28.09	ng/ul	-0.01
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	421251	14.492	ng/ul	99
16) Anthracene	17.44	178	64342	2.194	ng/ul	98
17) Fluoranthene	19.36	202	830000	25.608	ng/ul	99
20) Pyrene	19.72	202	784084	21.142	ng/ul	98
21) Benzo(a)anthracene	21.53	228	457427	12.444	ng/ul	96
22) Chrysene	21.60	228	478818	13.474	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	687802	17.165	ng/ul	98
25) Benzo(k)fluoranthene	23.74	252	244157m	6.143	ng/ul	
27) Benzo(a)pyrene	24.51	252	491080	13.349	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.15	276	361115	7.840	ng/ul	99
29) Dibenzo(a,h)anthracene	28.20	278	94892m	2.541	ng/ul	
30) Benzo(a,h,i)perylene	29.25	276	323979	8.404	ng/ul	98

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

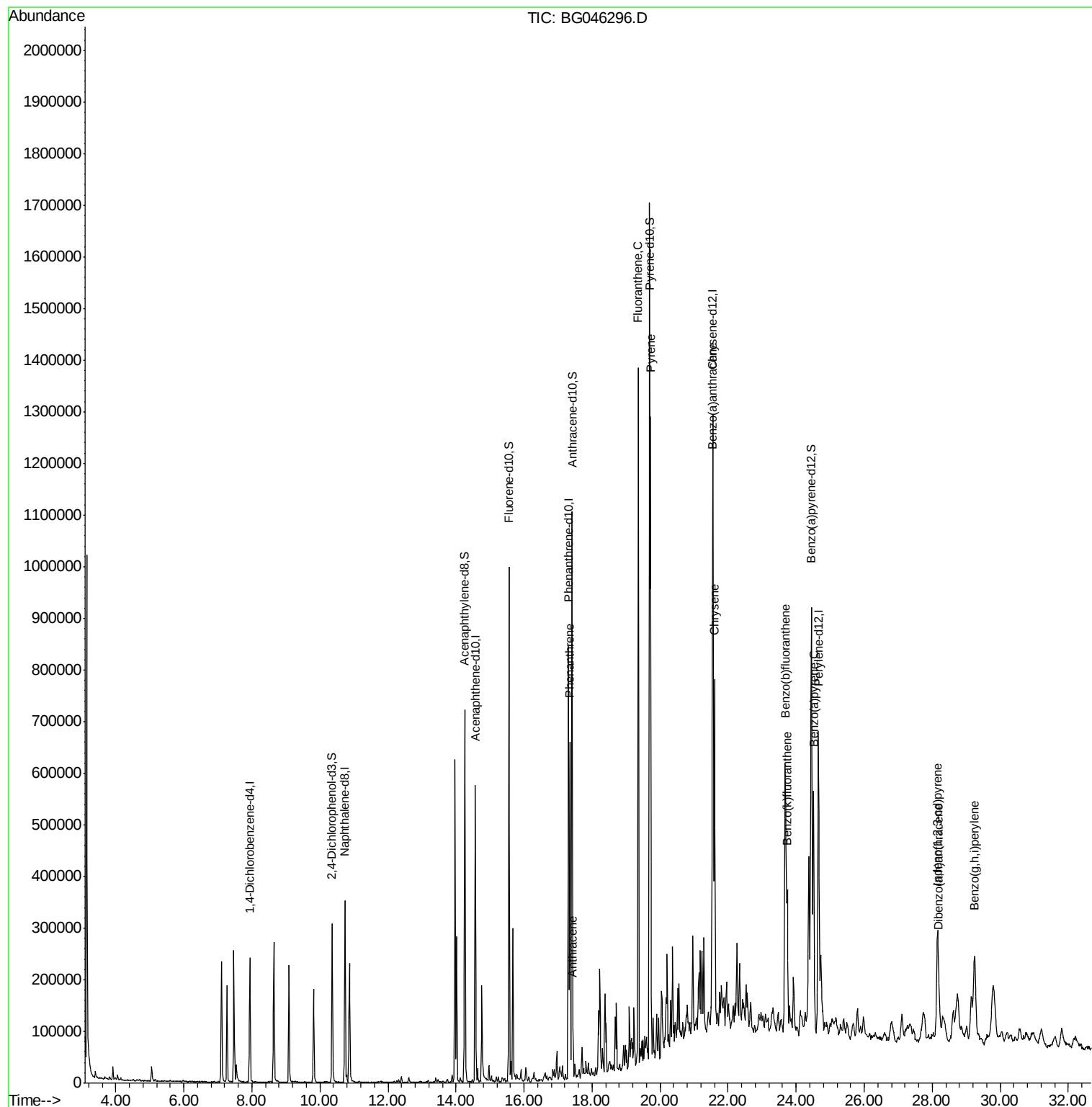
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046296.D
Acq On : 17 Aug 2020 13:50
Operator : CG/JU
Sample : L3632-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

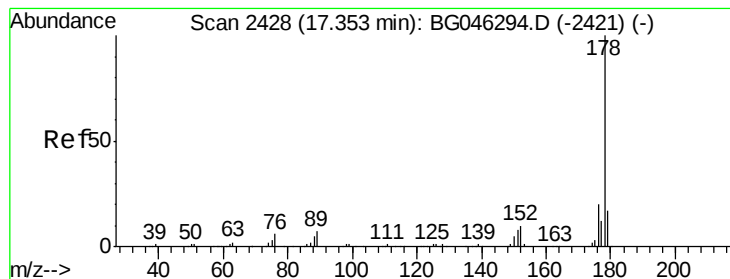
Instrument :
BNA_G
ClientSampleId :
BFM79

Quant Time: Aug 17 16:20:02 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 2:15:39 PM





#14

Phenanthrene

Concen: 14.492 ng/ul

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Instrument :

BNA_G

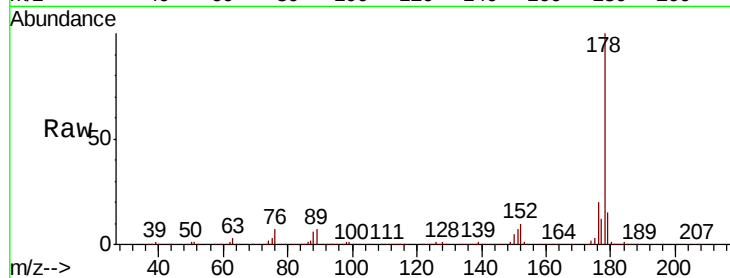
ClientSampleId :

BFM79

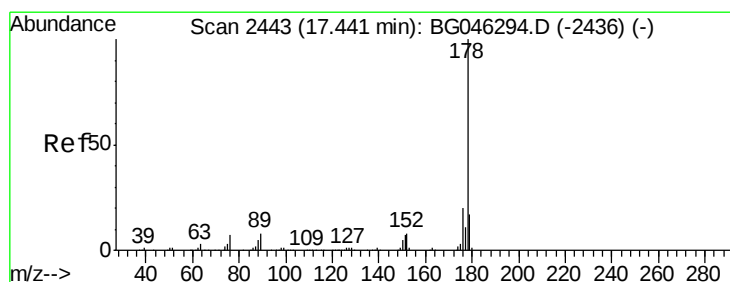
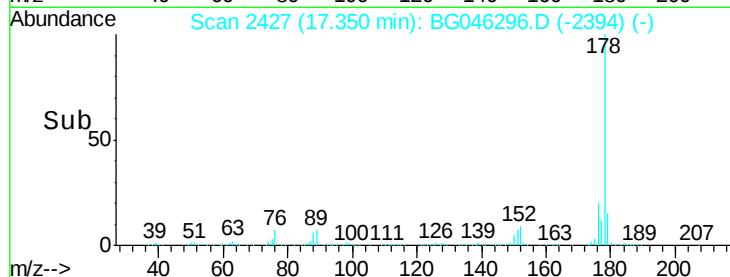
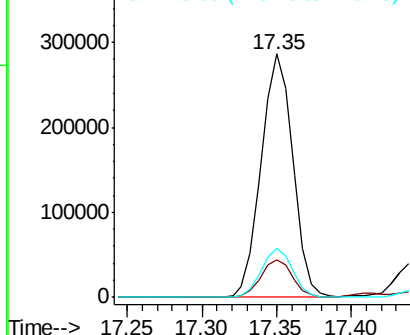
Tot Ion:178	Resp:	421251
Ion Ratio	Lower	Upper
178	100	
179	15.3	12.8 19.2
176	20.0	15.8 23.8

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:39 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: 2.194 ng/ul

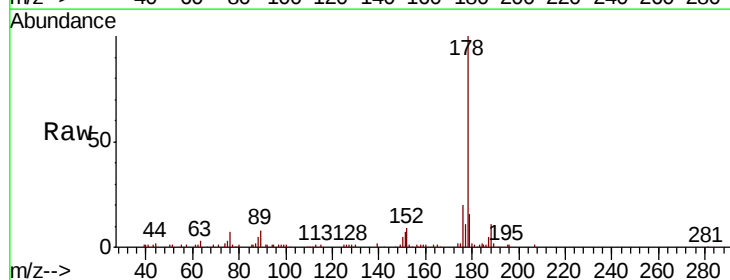
RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

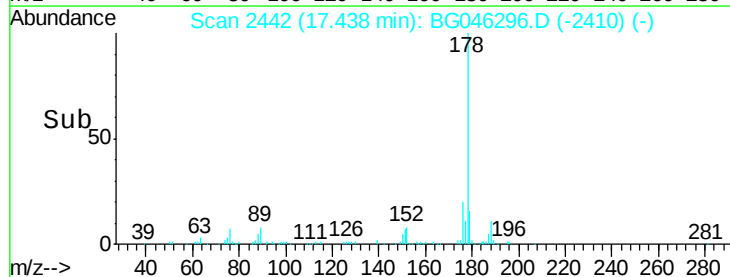
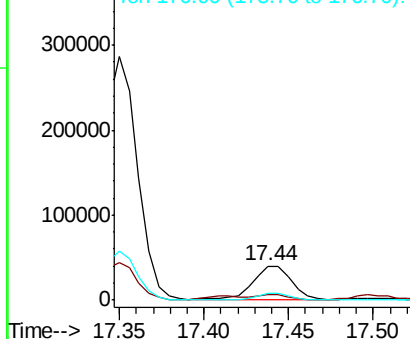
Lab File: BG046296.D

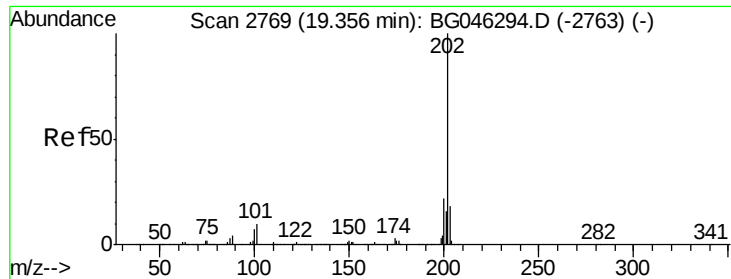
Acq: 17 Aug 2020 13:50

Tgt Ion:178	Resp:	64342
Ion Ratio	Lower	Upper
178	100	
179	15.9	13.2 19.8
176	20.4	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: 25.608 ng/ul

RT: 19.36 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Instrument :

BNA_G

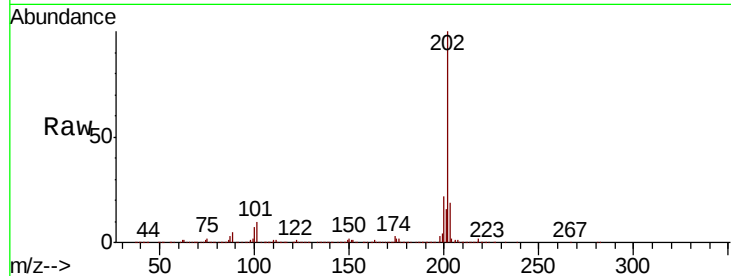
ClientSampleId :

BFM79

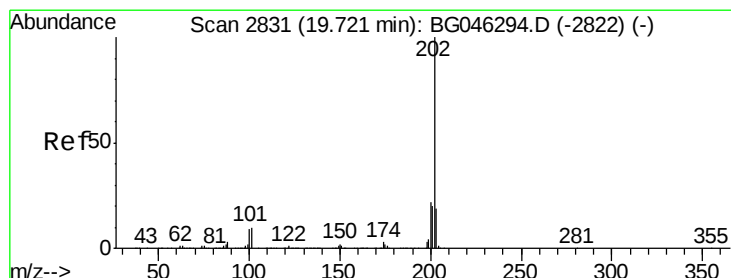
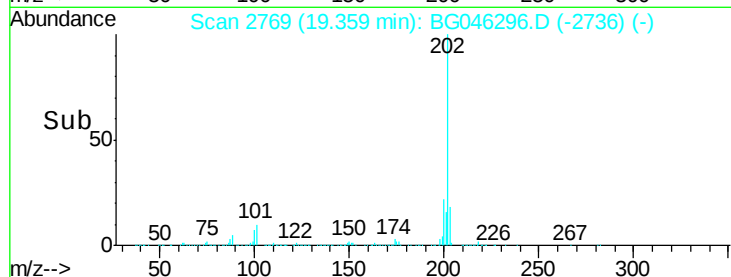
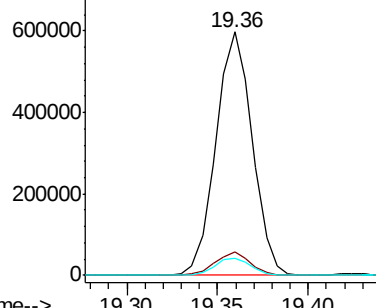
Tot Ion:	202	Resp:	830000
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.8	11.6
100	7.0	5.9	8.9

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:39 PM



Abundance Ion 202.00 (201.70 to 202.70): E
800000 Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 21.142 ng/ul

RT: 19.72 min Scan# 2831

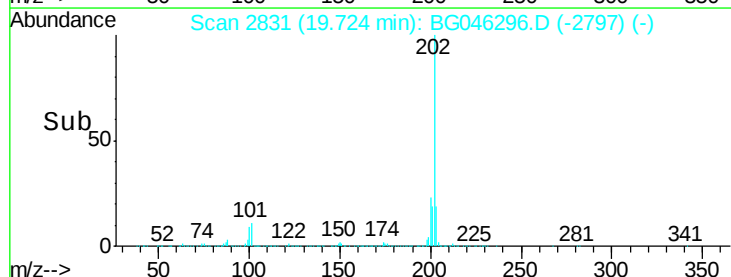
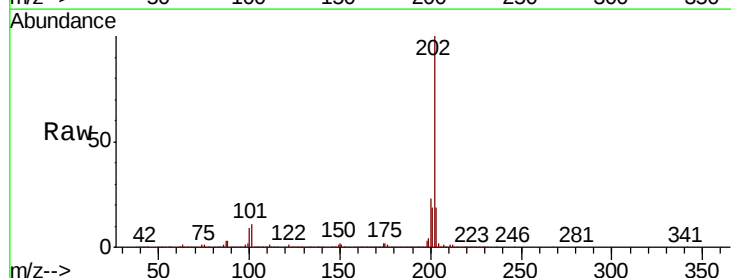
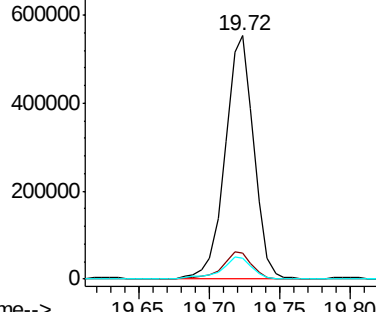
Delta R.T. 0.00 min

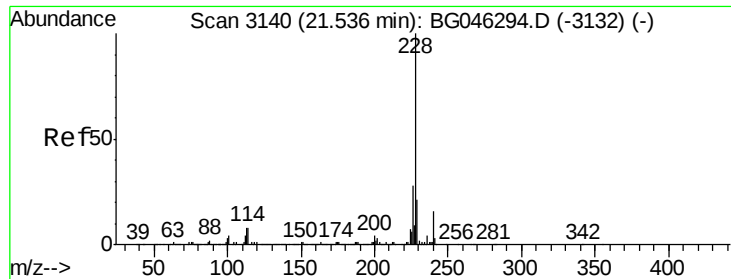
Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	202	Resp:	784084
Ion Ratio	Lower	Upper	
202	100		
101	10.9	8.9	13.3
100	8.8	7.9	11.9

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





#21

Benzo(a)anthracene

Concen: 12.444 ng/ul

RT: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Instrument :

BNA_G

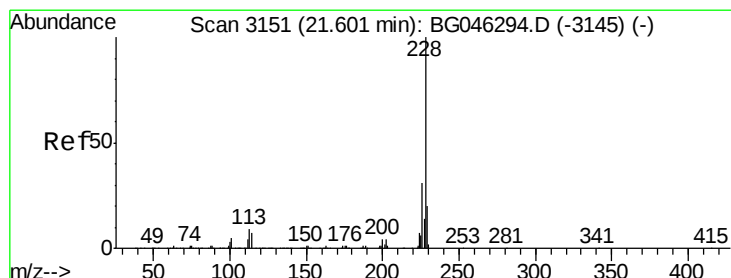
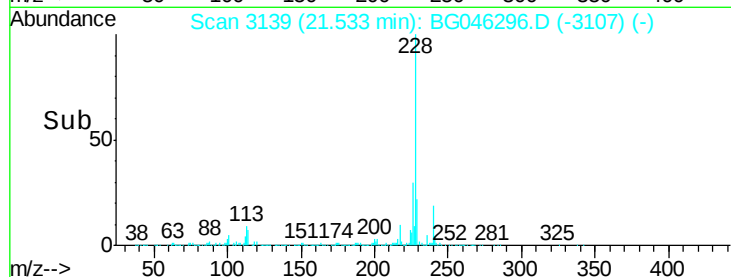
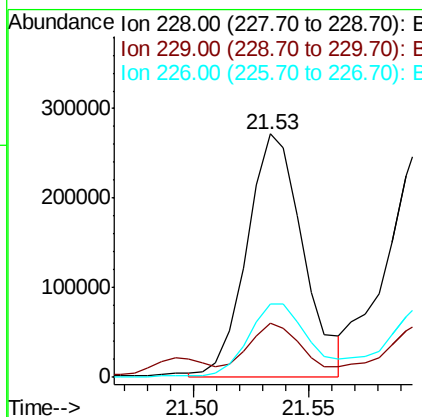
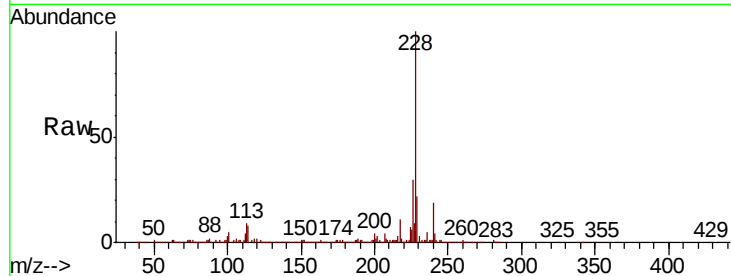
ClientSampleId :

BFM79

Tot Ion:	228	Resp:	457427
Ion Ratio	Lower	Upper	
228	100		
229	22.4	16.6	25.0
226	30.3	22.6	33.8

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:39 PM



#22

Chrysene

Concen: 13.474 ng/ul

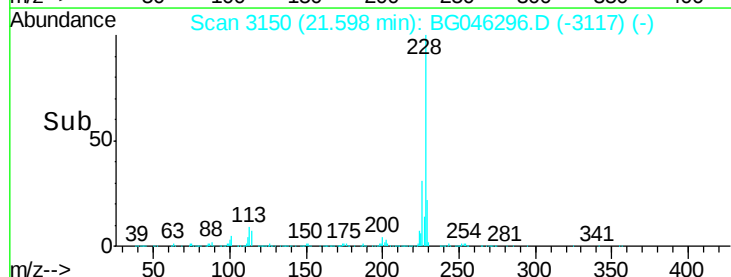
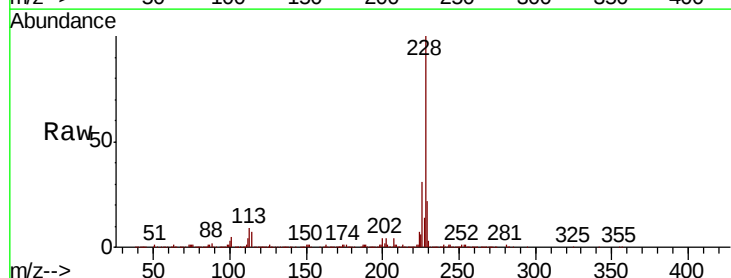
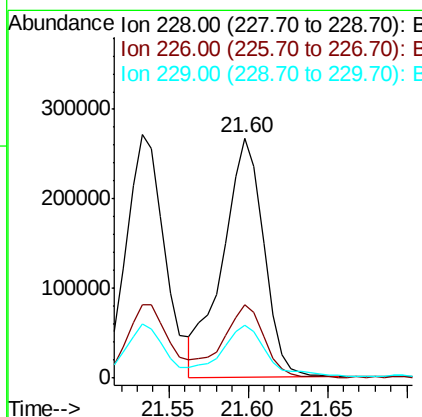
RT: 21.60 min Scan# 3150

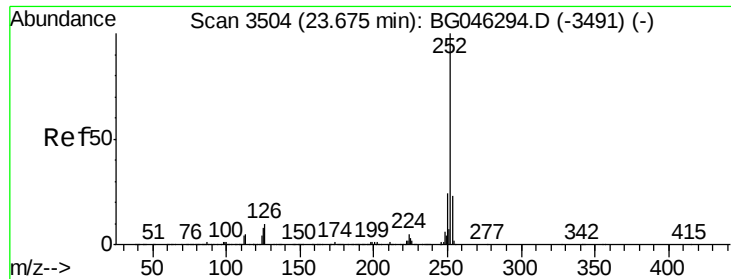
Delta R.T. -0.01 min

Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	228	Resp:	478818
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.5	38.3
229	22.2	17.0	25.4





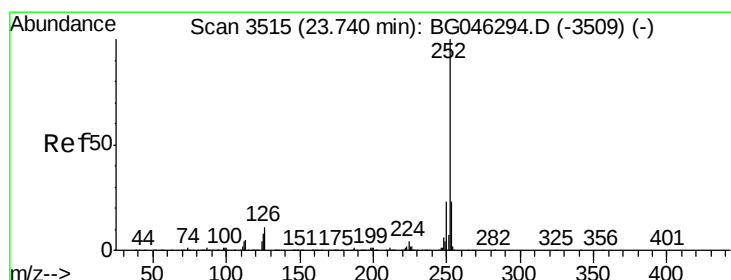
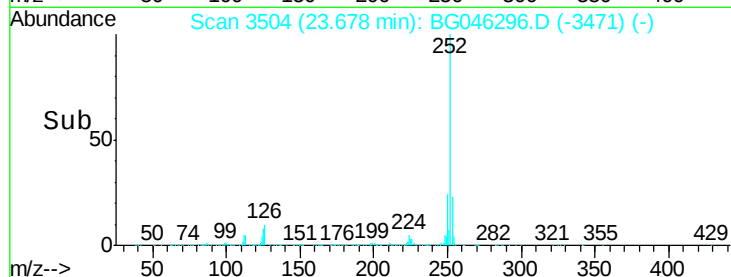
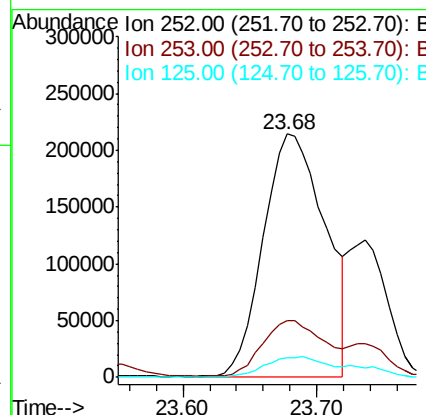
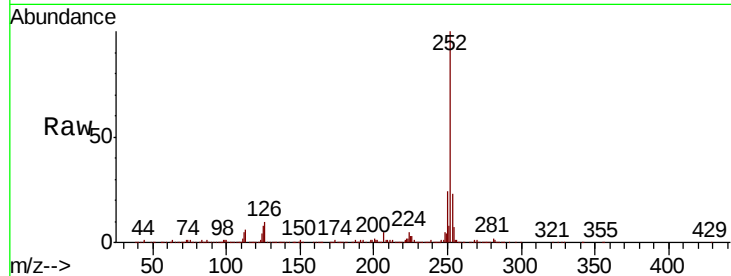
#24
Benzo(b)fluoranthene
Concen: 17.165 ng/ul
RT: 23.68 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BG046296.D
Acq: 17 Aug 2020 13:50

Instrument :
BNA_G
ClientSampled :
BFM79

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	8.1	6.4	9.6

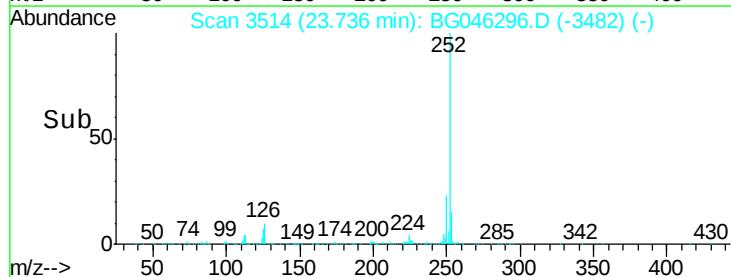
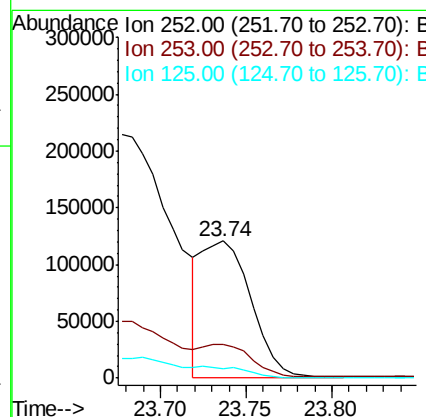
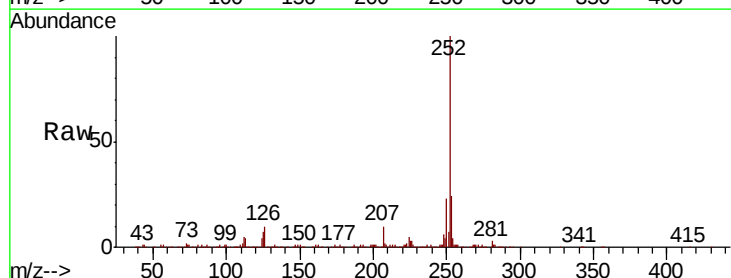
Manual Integrations
APPROVED

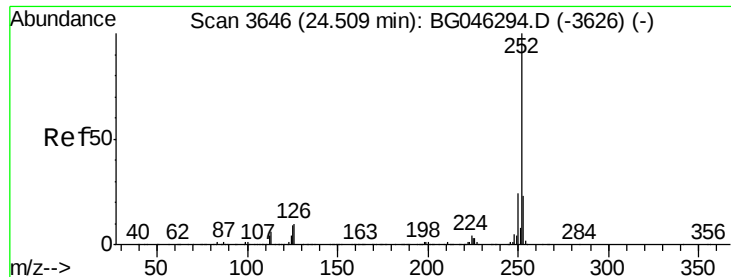
mohammad
8/19/2020 2:15:39 PM



#25
Benzo(k)fluoranthene
Concen: 6.143 ng/ul m
RT: 23.74 min Scan# 3514
Delta R.T. -0.01 min
Lab File: BG046296.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	7.1	6.2	9.2





#27

Benzo(a)pyrene

Concen: 13.349 ng/ul

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Instrument :

BNA_G

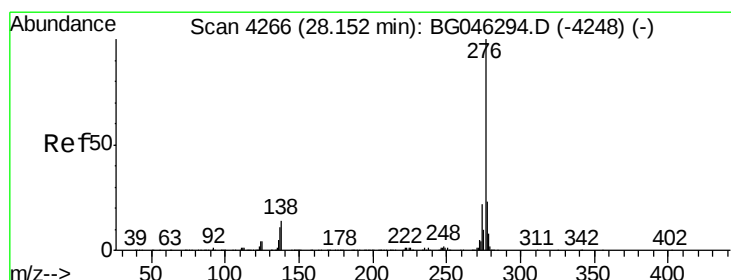
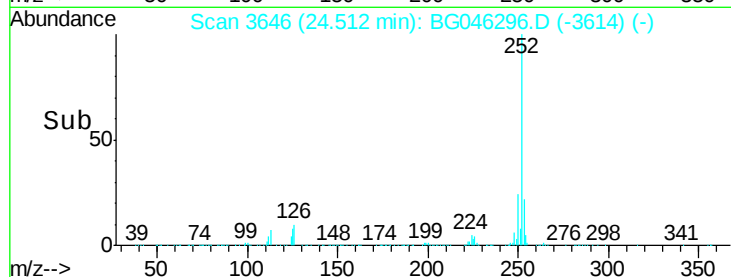
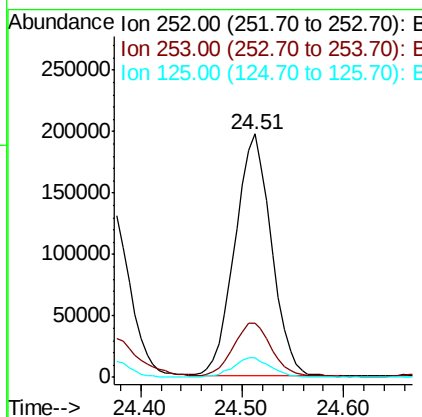
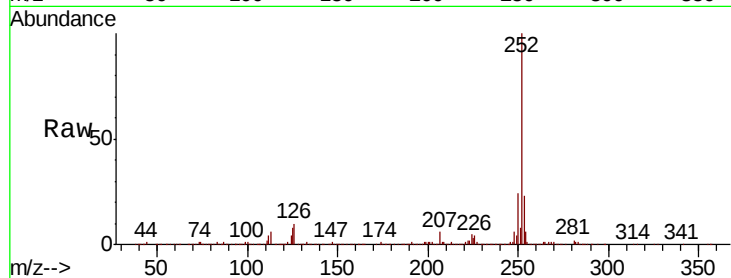
ClientSampleId :

BFM79

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	8.1	7.1	10.7

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:39 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 7.840 ng/ul

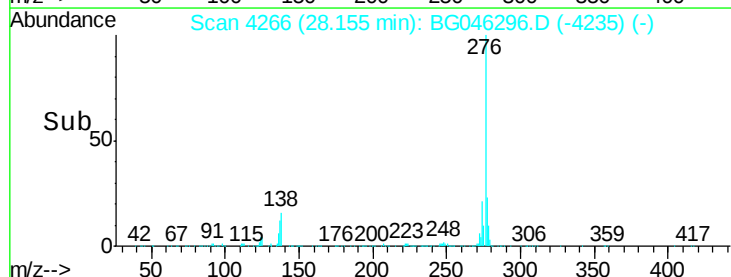
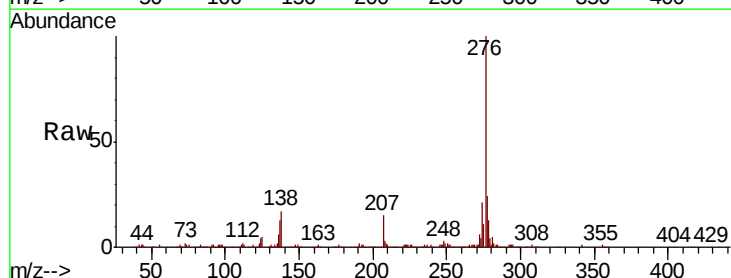
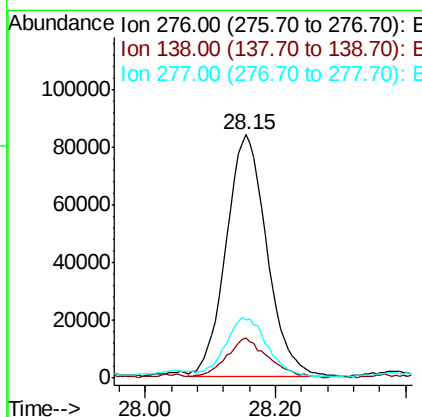
RT: 28.15 min Scan# 4266

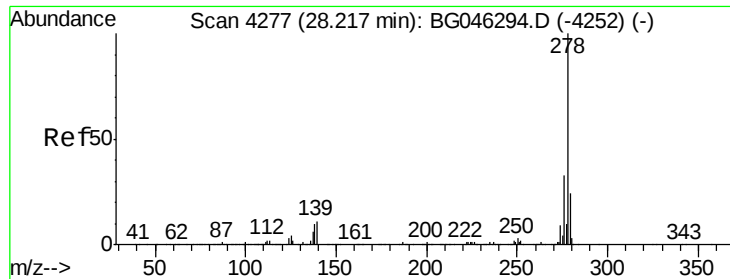
Delta R.T. -0.02 min

Lab File: BG046296.D

Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.2	19.8
277	23.8	19.9	29.9





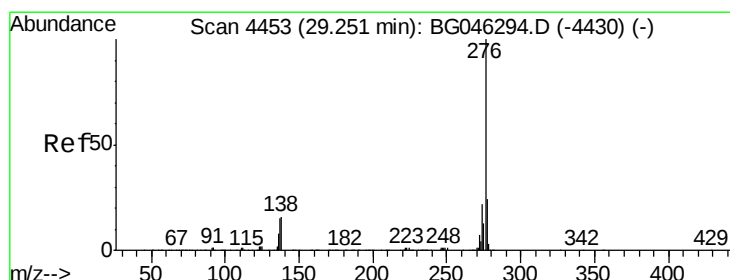
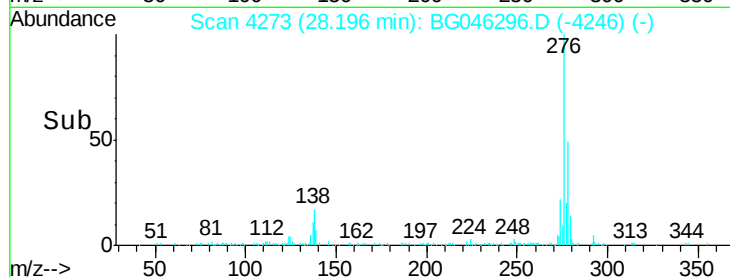
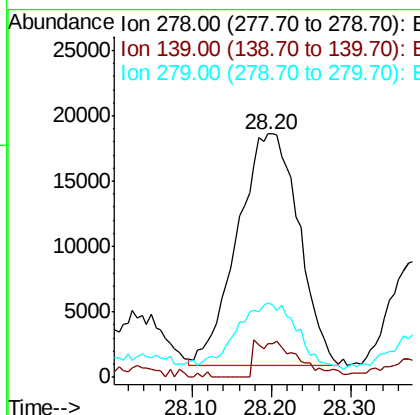
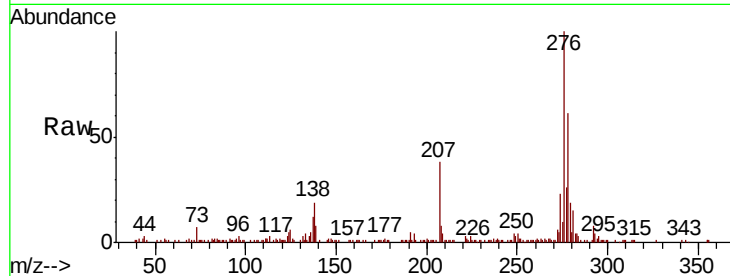
#29
Dibenzo(a,h)anthracene
Concen: 2.541 ng/ul m
RT: 28.20 min Scan# 4273
Delta R.T. -0.04 min
Lab File: BG046296.D
Acq: 17 Aug 2020 13:50

Instrument :
BNA_G
ClientSampled :
BFM79

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.0	9.8	14.8
279	30.7	19.7	29.5#

Manual Integrations
APPROVED

mohammad
8/19/2020 2:15:39 PM



#30
Benzo(g,h,i)perylene
Concen: 8.404 ng/ul
RT: 29.25 min Scan# 4452
Delta R.T. -0.02 min
Lab File: BG046296.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	12.9	19.3
277	23.8	19.4	29.0

