

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051821\
 Data File : BN014668.D
 Acq On : 18 May 2021 17:48
 Operator : CG/JU
 Sample : M2445-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BG1Z3

Manual Integrations
 APPROVED

mohammad
 5/19/2021 11:39:16 AM

Quant Time: May 19 08:23:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 15:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	443	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	1472	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1211	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	2720m	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3100	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	3053	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	752	1.65	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.11	152	1062	0.42	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	4208	0.54	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.28	88	34	0.072	ng/ul#	85
5) Naphthalene	10.56	128	7577	1.772	ng/ul#	93
7) 2-Methylnaphthalene	12.18	142	2501	0.813	ng/ul	98
8) 1-Methylnaphthalene	12.40	142	12780	4.301	ng/ul	100
10) Acenaphthylene	14.09	152	953	0.218	ng/ul#	61
11) Acenaphthene	14.44	153	80058	19.195	ng/ul	98
12) Fluorene	15.43	166	47303	9.232	ng/ul	99
15) Phenanthrene	17.16	178	65174	7.701	ng/ul	98
16) Anthracene	17.26	178	16191	2.455	ng/ul	95
19) Fluoranthene	19.19	202	54213	5.628	ng/ul	97
20) Pyrene	19.55	202	41288	4.233	ng/ul	98
21) Benzo(a)anthracene	21.31	228	3080	0.314	ng/ul	96
22) Chrysene	21.36	228	2416	0.216	ng/ul	96
24) Benzo(b)fluoranthene	22.91	252	1126m	0.084	ng/ul	
25) Benzo(k)fluoranthene	22.95	252	524m	0.037	ng/ul	
26) Benzo(a)pyrene	23.50	252	804	0.078	ng/ul#	49
27) Indeno(1,2,3-cd)pyrene	25.88	276	400	0.027	ng/ul#	66
29) Benzo(a,h,i)perylene	26.58	276	344	0.028	ng/ul#	44

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

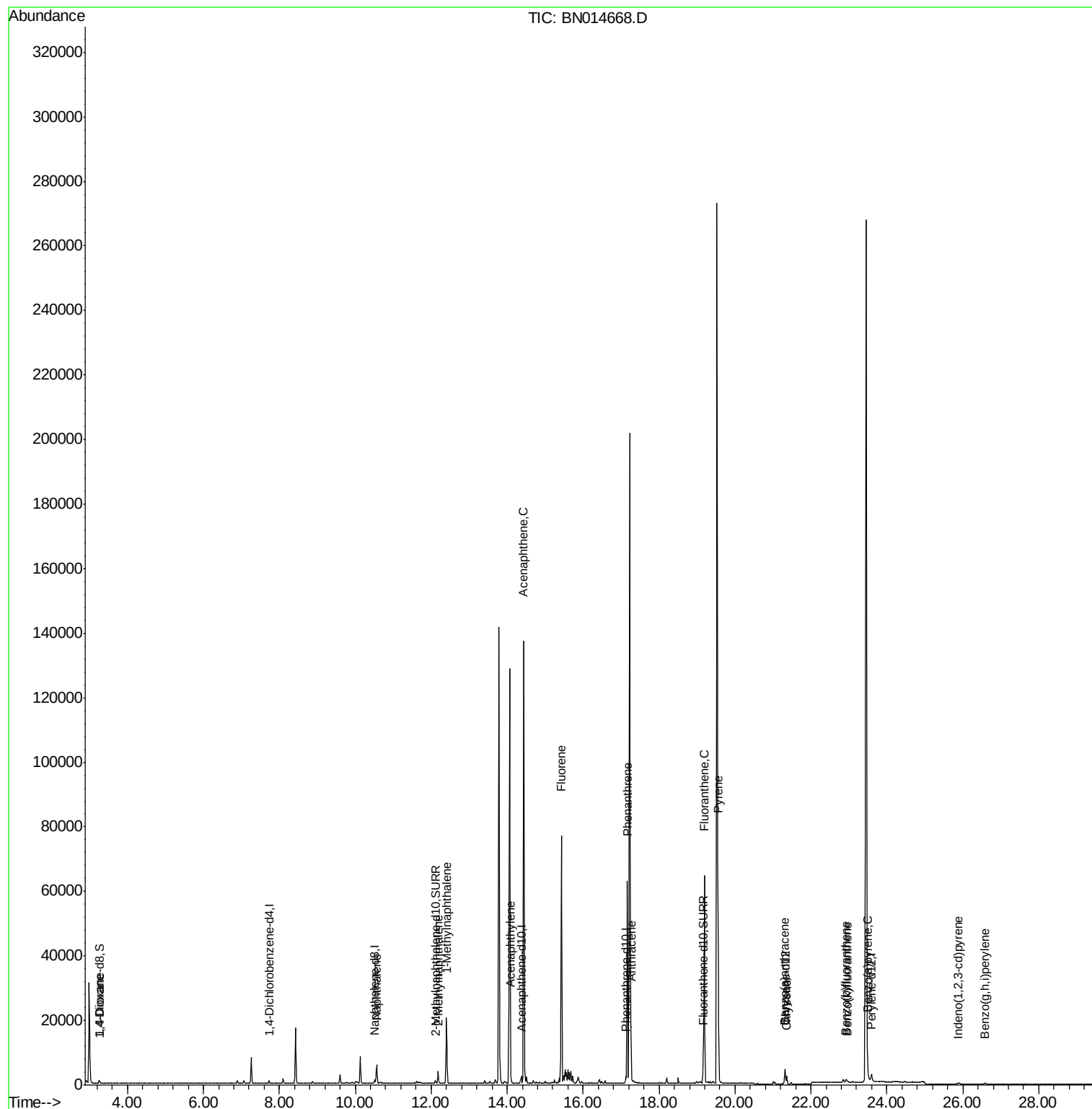
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051821\
Data File : BN014668.D
Acq On : 18 May 2021 17:48
Operator : CG/JU
Sample : M2445-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

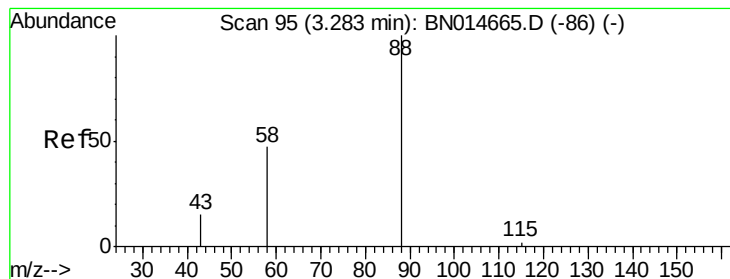
Instrument :
BNA_N
ClientSampleId :
BG1Z3

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM

Quant Time: May 19 08:23:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 15:50:11 2021
Response via : Initial Calibration





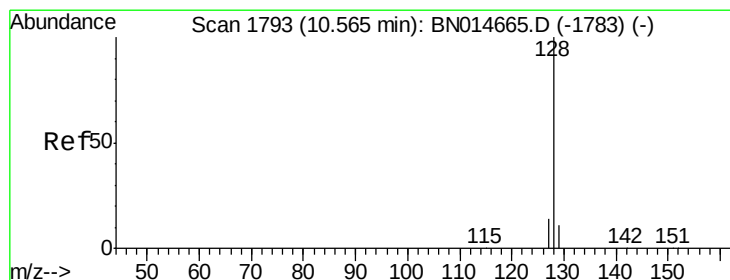
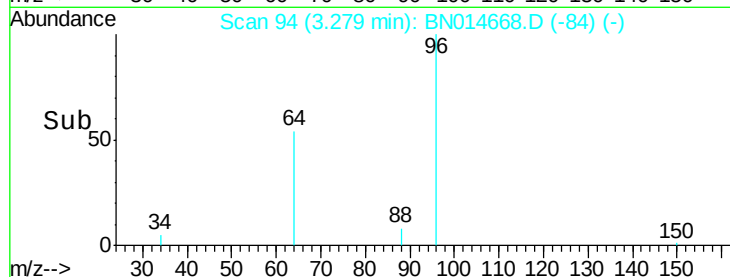
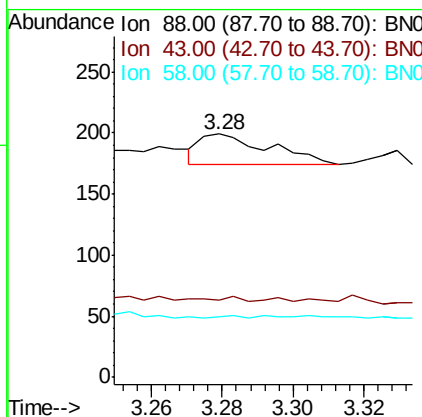
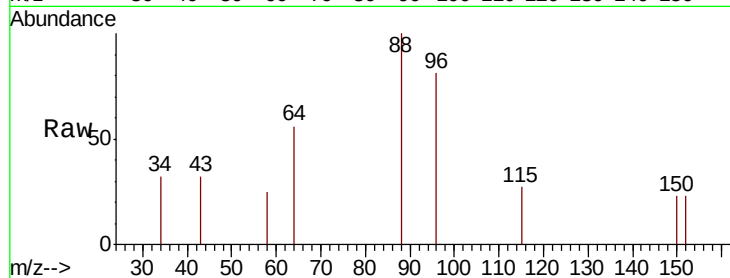
#2
1,4-Dioxane
Concen: 0.072 ng/ul
RT: 3.28 min Scan# 94
Delta R.T. -0.01 min
Lab File: BN014668.D
Acq: 18 May 2021 17:48

Instrument :
BNA_N
ClientSampleID :
BG1Z3

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	22.5	33.7
58	25.1	30.4	45.6#

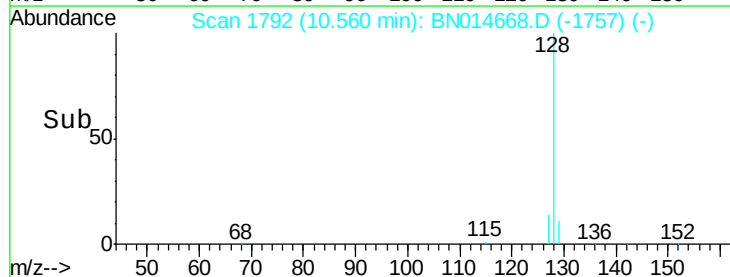
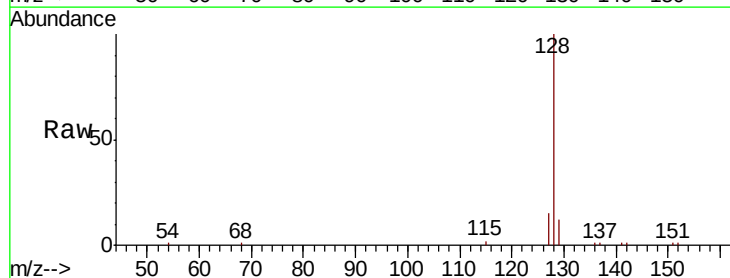
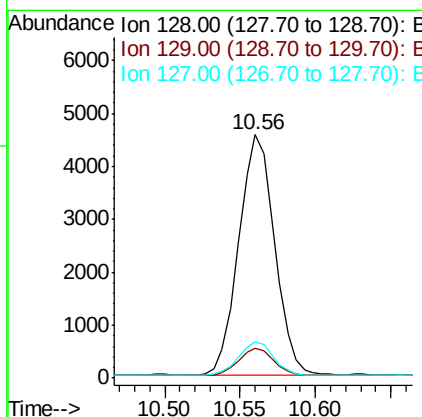
Manual Integrations
APPROVED

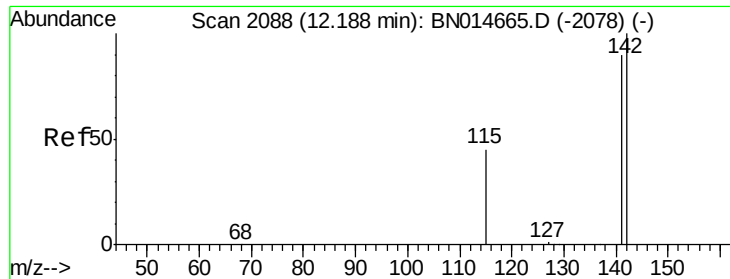
mohammad
5/19/2021 11:39:16 AM



#5
Naphthalene
Concen: 1.772 ng/ul
RT: 10.56 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BN014668.D
Acq: 18 May 2021 17:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	10.9	16.3
127	14.8	15.7	23.5#





#7

2-Methylnaphthalene

Concen: 0.813 ng/ul

RT: 12.18 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

ClientSampleId :

BG1Z3

Tot Ion:142 Resp: 2501

Ion Ratio Lower Upper

142 100

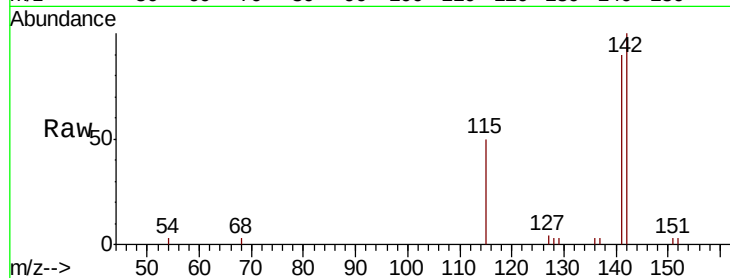
141 89.8 70.2 105.2

Manual Integrations

APPROVED

mohammad

5/19/2021 11:39:16 AM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.18

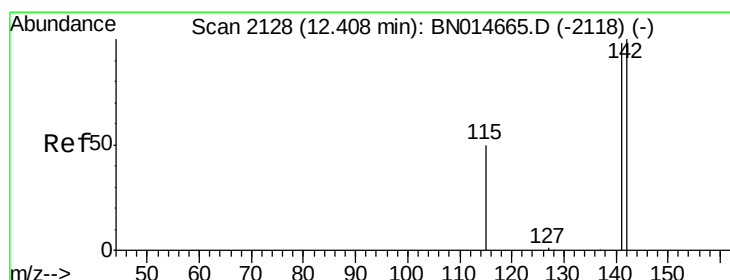
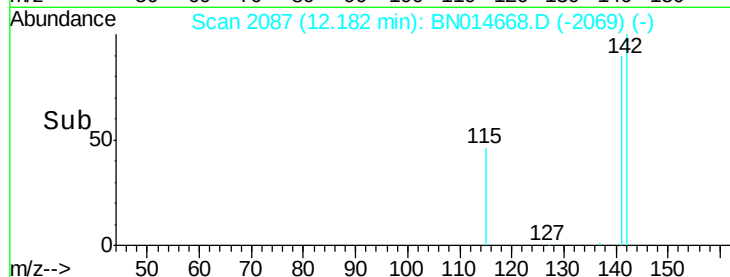
1500

1000

500

0

Time-->



#8

1-Methylnaphthalene

Concen: 4.301 ng/ul

RT: 12.40 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BN014668.D

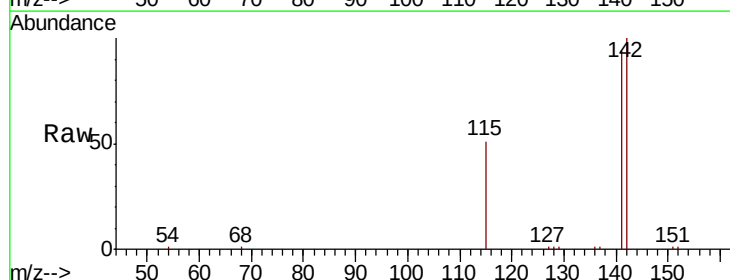
Acq: 18 May 2021 17:48

Tgt Ion:142 Resp: 12780

Ion Ratio Lower Upper

142 100

141 92.6 73.9 110.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.40

8000

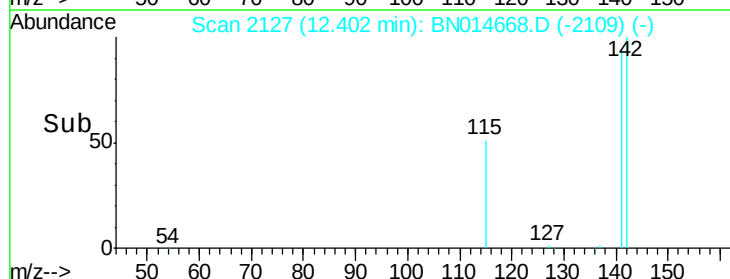
6000

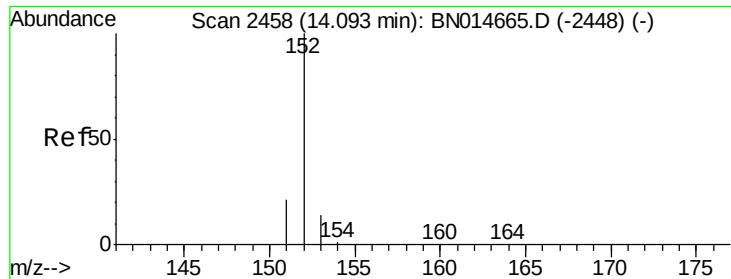
4000

2000

0

Time-->





#10

Acenaphthylene

Concen: 0.218 ng/ul

RT: 14.09 min Scan# 2458

Delta R.T. 0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

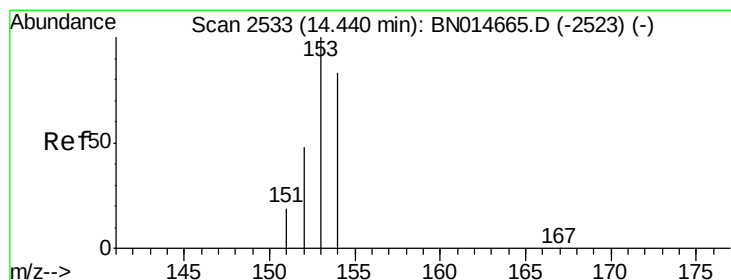
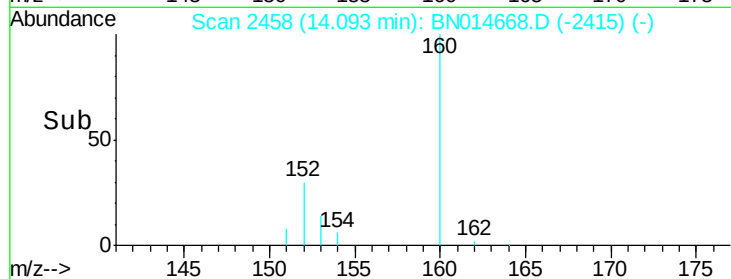
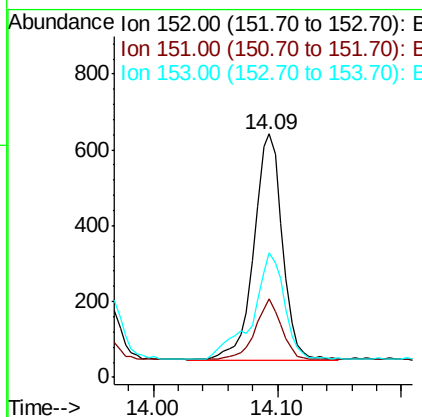
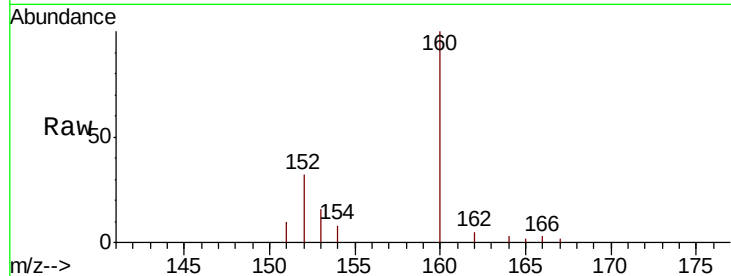
ClientSampleId :

BG1Z3

Tot Ion:	152	Resp:	953
Ion Ratio	Lower	Upper	
152	100		
151	32.1	20.2	30.4#
153	51.4	14.2	21.4#

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM



#11

Acenaphthene

Concen: 19.195 ng/ul

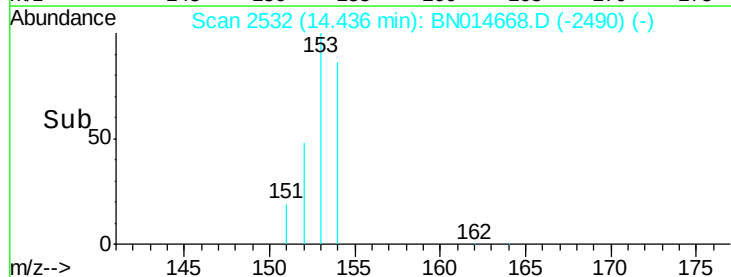
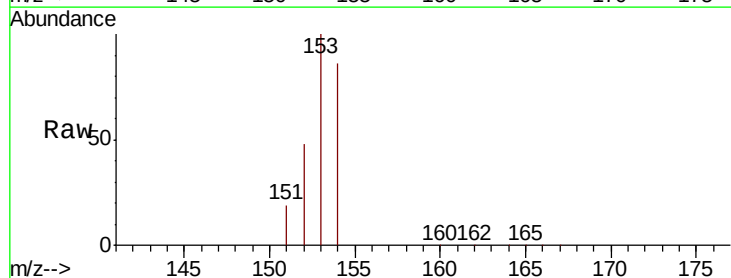
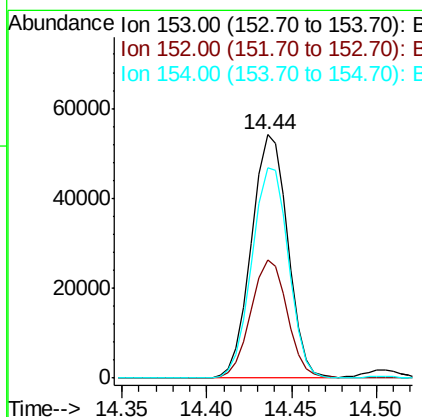
RT: 14.44 min Scan# 2532

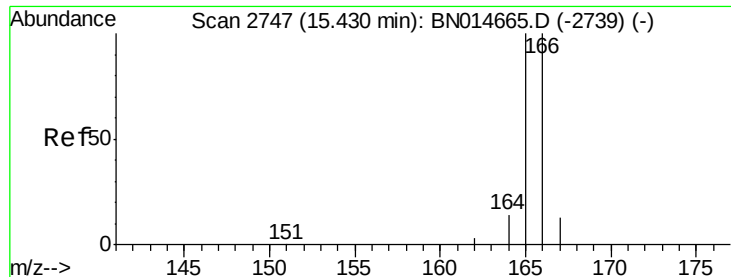
Delta R.T. -0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Tgt Ion:	153	Resp:	80058
Ion Ratio	Lower	Upper	
153	100		
152	48.4	39.7	59.5
154	86.5	71.0	106.4





#12

Fluorene

Concen: 9.232 ng/ul

RT: 15.43 min Scan# 2746

Delta R.T. -0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

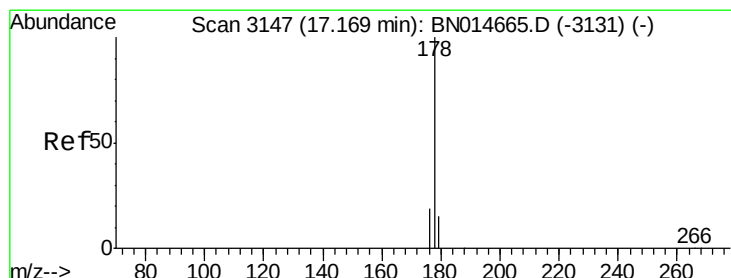
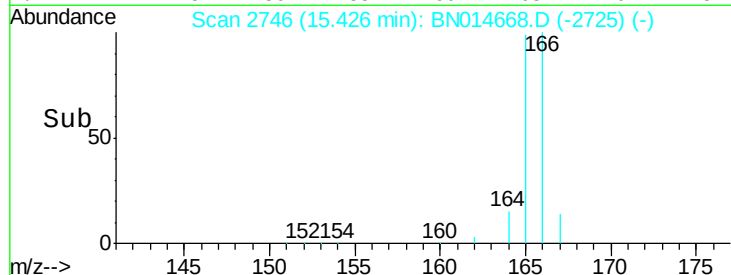
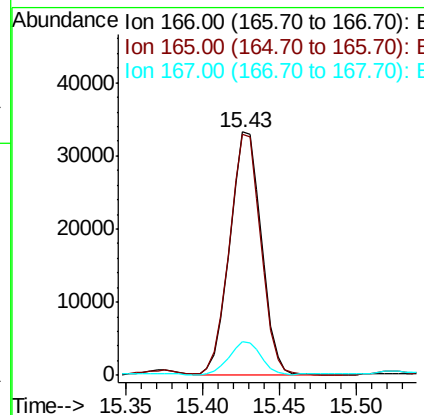
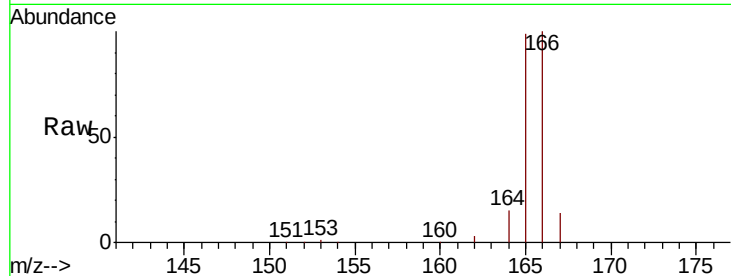
ClientSampleId :

BG1Z3

Tot Ion:	166	Resp:	47303
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.3	118.9
167	13.9	13.8	20.6

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM



#15

Phenanthrene

Concen: 7.701 ng/ul

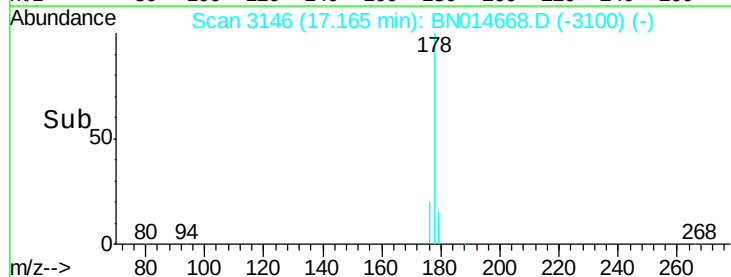
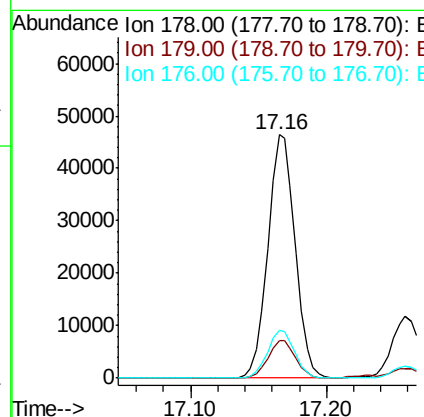
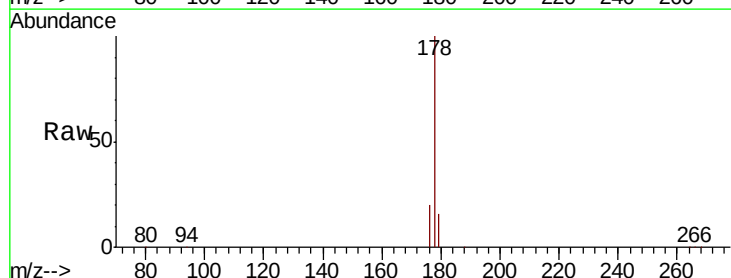
RT: 17.16 min Scan# 3146

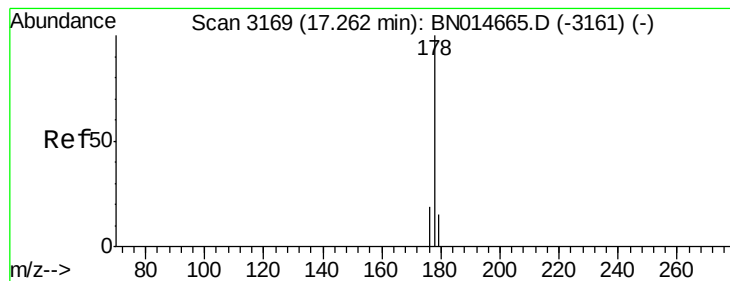
Delta R.T. -0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Tgt Ion:	178	Resp:	65174
Ion Ratio	Lower	Upper	
178	100		
179	15.6	13.8	20.6
176	19.8	16.2	24.4





#16

Anthracene

Concen: 2.455 ng/ul

RT: 17.26 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

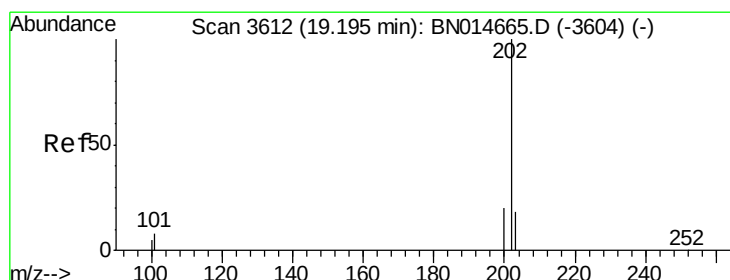
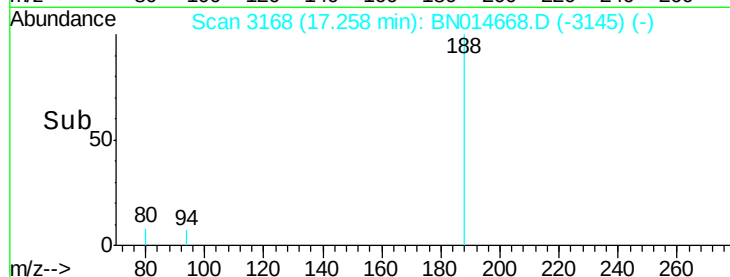
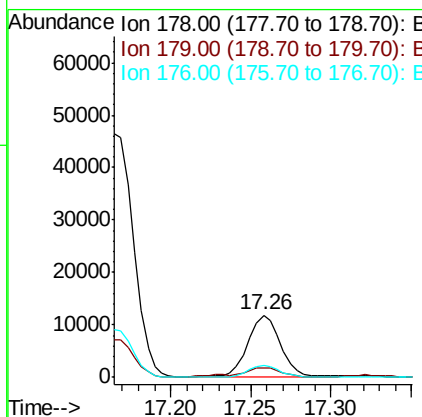
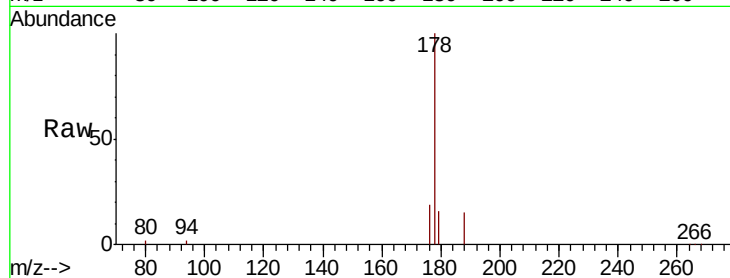
ClientSampleId :

BG1Z3

Tot Ion:	178	Resp:	16191
Ion Ratio	Lower	Upper	
178	100		
179	15.6	14.3	21.5
176	19.1	17.1	25.7

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM



#19

Fluoranthene

Concen: 5.628 ng/ul

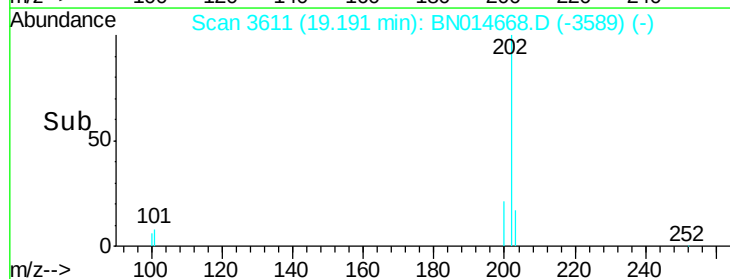
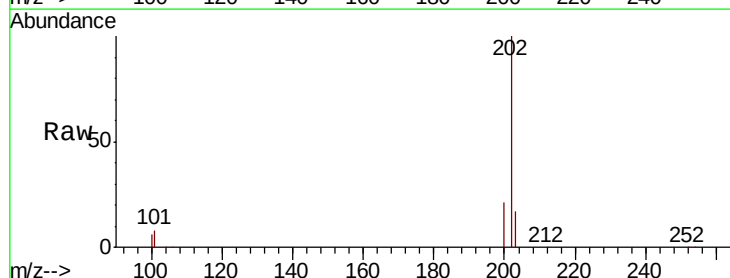
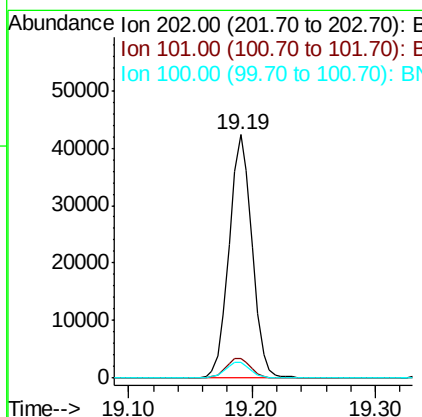
RT: 19.19 min Scan# 3611

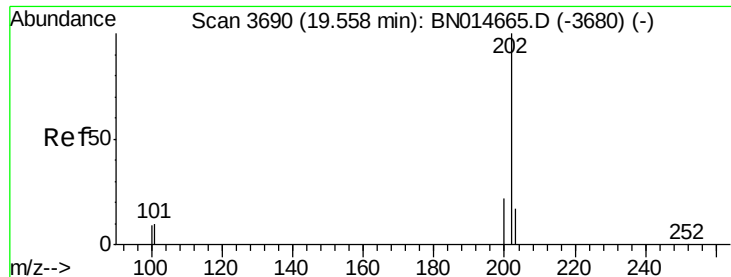
Delta R.T. 0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Tgt Ion:	202	Resp:	54213
Ion Ratio	Lower	Upper	
202	100		
101	8.2	7.6	11.4
100	6.4	5.9	8.9





#20

Pvrene

Concen: 4.233 ng/ul

RT: 19.55 min Scan# 3689

Delta R.T. -0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

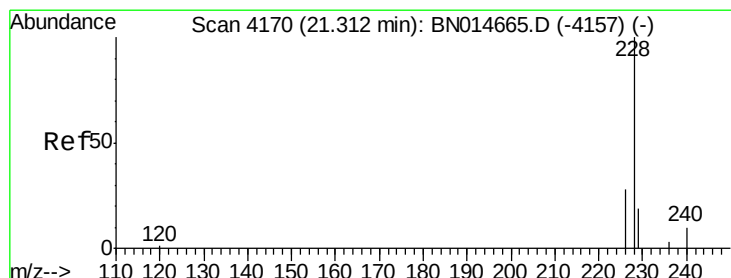
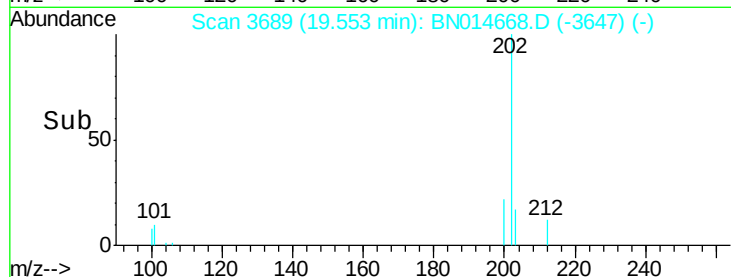
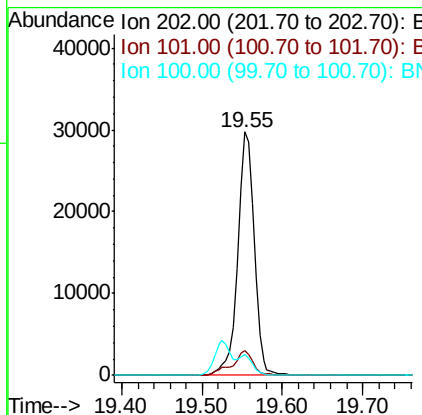
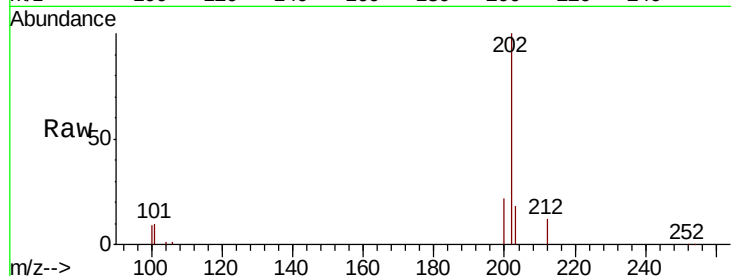
ClientSampleId :

BG1Z3

Tot Ion:	202	Resp:	41288
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.5	12.7
100	8.5	7.4	11.2

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM



#21

Benzo(a)anthracene

Concen: 0.314 ng/ul

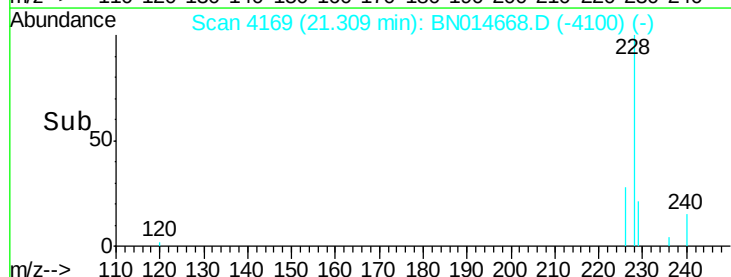
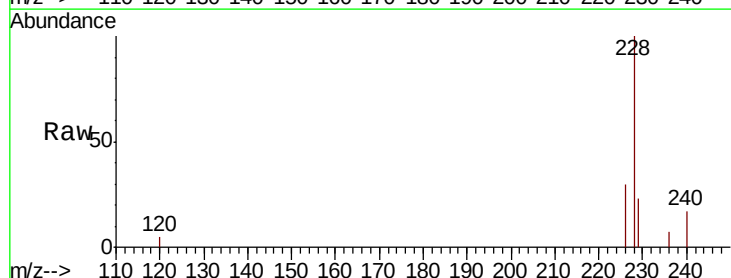
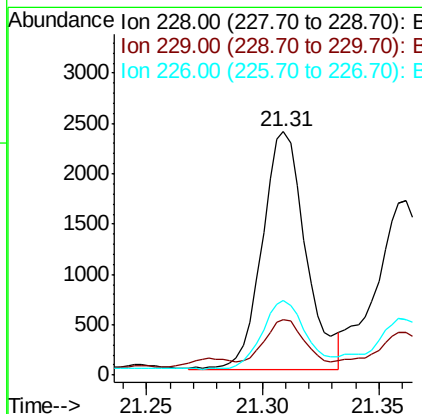
RT: 21.31 min Scan# 4169

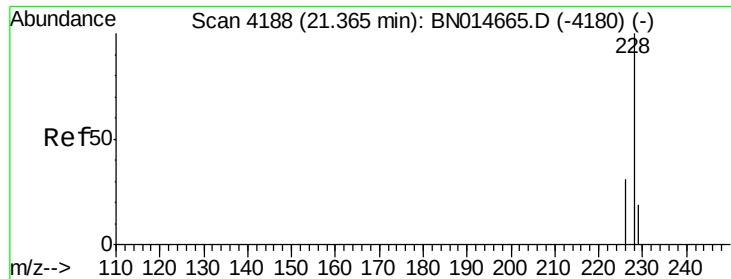
Delta R.T. 0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Tgt Ion:	228	Resp:	3080
Ion Ratio	Lower	Upper	
228	100		
229	22.6	16.3	24.5
226	30.4	22.6	33.8





#22

Chrysene

Concen: 0.216 ng/ul

RT: 21.36 min Scan# 4187

Delta R.T. 0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

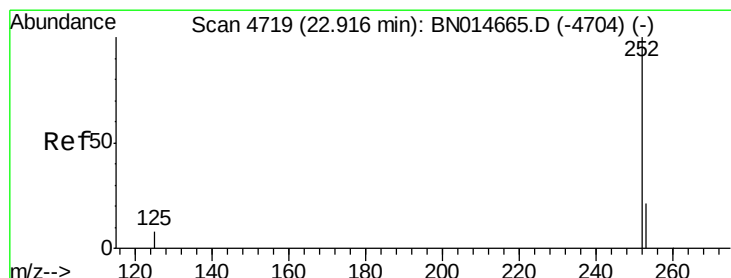
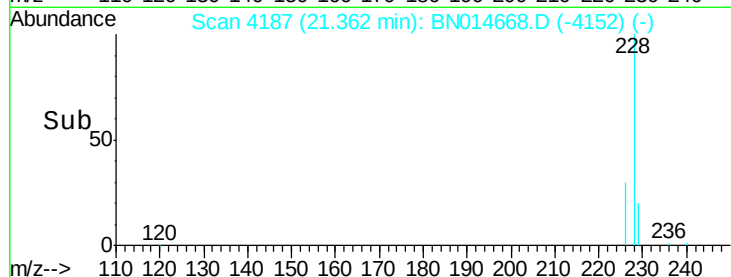
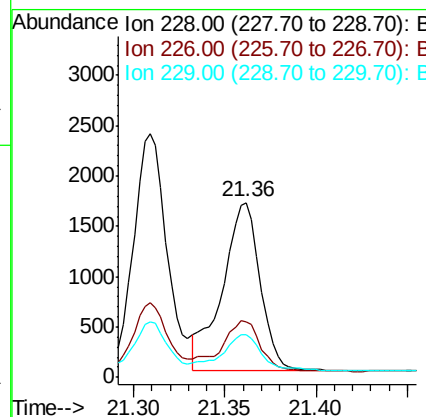
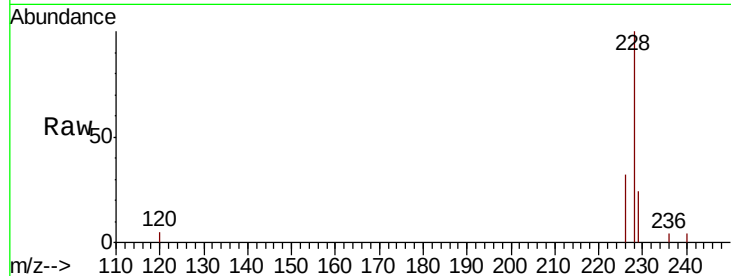
ClientSampleId :

BG1Z3

Tot Ion:	228	Resp:	2416
Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.3	37.9
229	24.2	16.2	24.4

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM



#24

Benzo(b)fluoranthene

Concen: 0.084 ng/ul m

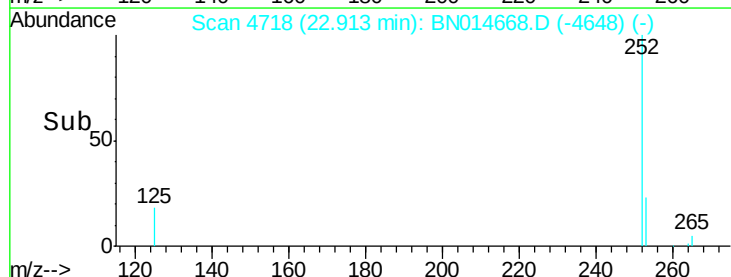
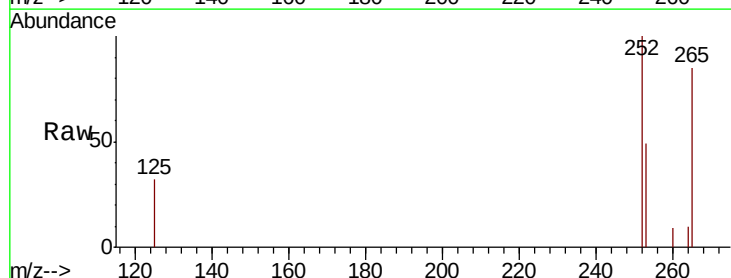
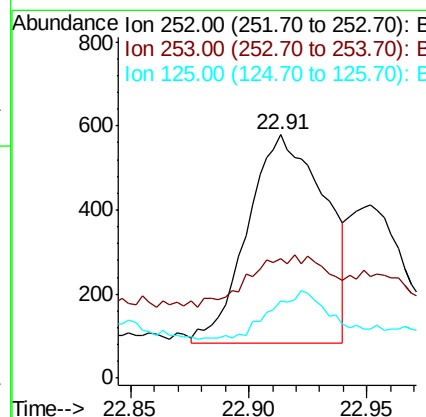
RT: 22.91 min Scan# 4718

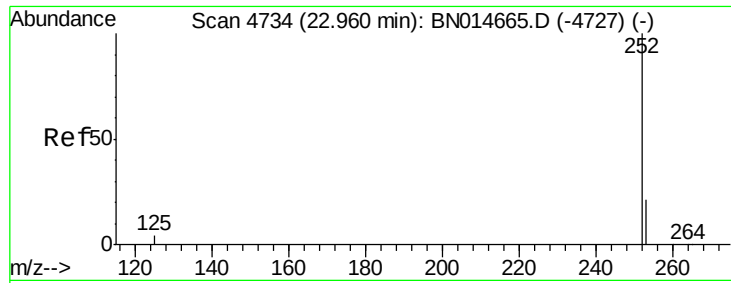
Delta R.T. 0.01 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Tgt Ion:	252	Resp:	1126
Ion	Ratio	Lower	Upper
252	100		
253	49.2	0.0	50.2
125	31.6	0.0	19.4#





#25

Benzo(k)fluoranthene

Concen: 0.037 ng/ul m

RT: 22.95 min Scan# 4731

Delta R.T. 0.00 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Instrument :

BNA_N

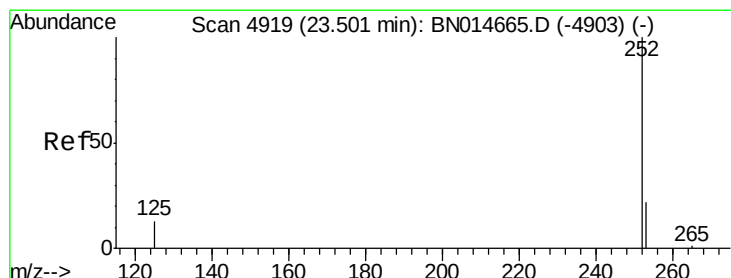
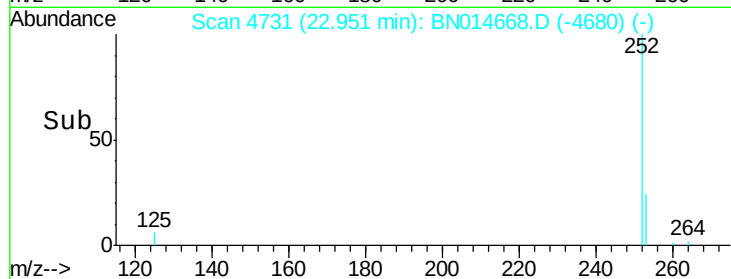
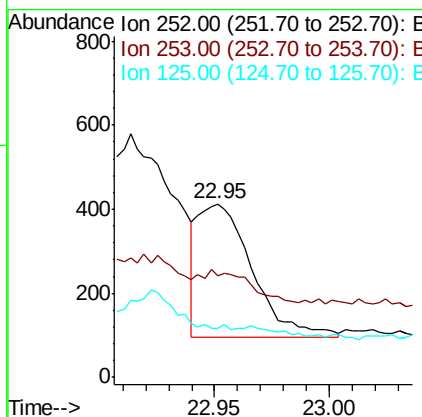
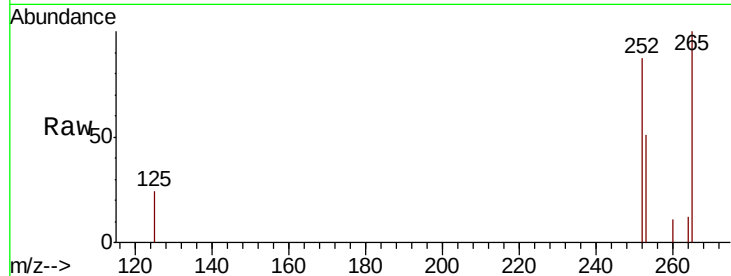
ClientSampled :

BG1Z3

Tot Ion	Ratio	Lower	Upper
252	100		
253	58.4	20.5	30.7#
125	28.1	6.9	10.3#

Manual Integrations
APPROVED

mohammad
5/19/2021 11:39:16 AM



#26

Benzo(a)pyrene

Concen: 0.078 ng/ul

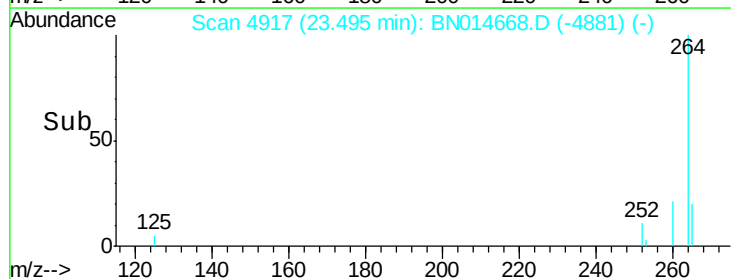
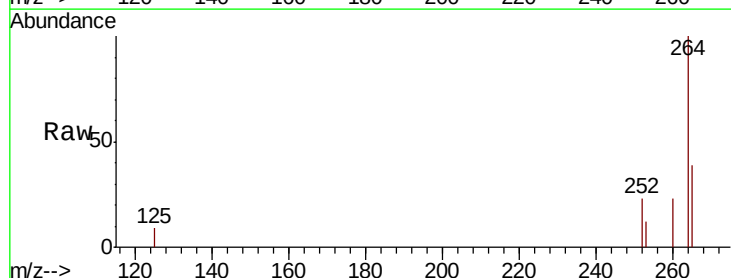
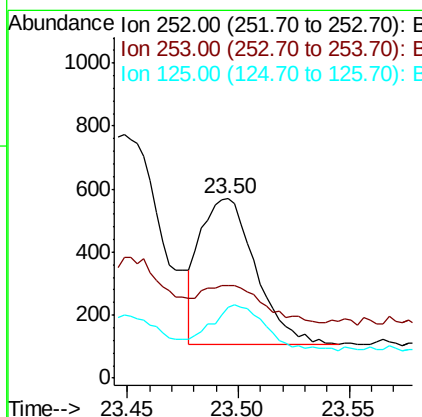
RT: 23.50 min Scan# 4917

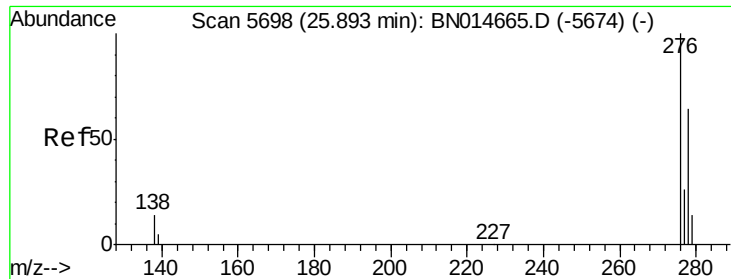
Delta R.T. 0.01 min

Lab File: BN014668.D

Acq: 18 May 2021 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	51.8	23.0	34.6#
125	39.3	9.5	14.3#





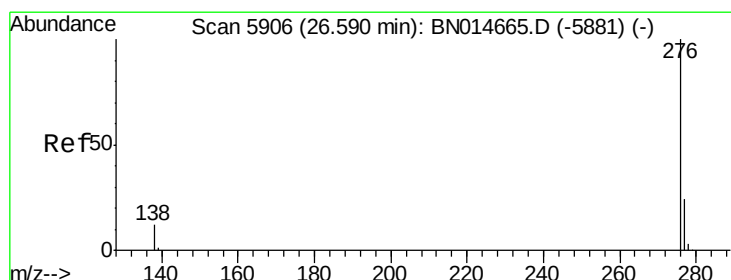
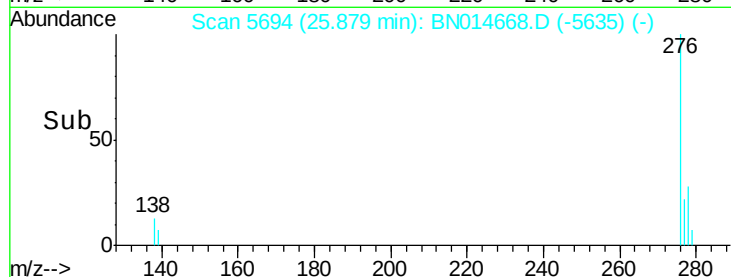
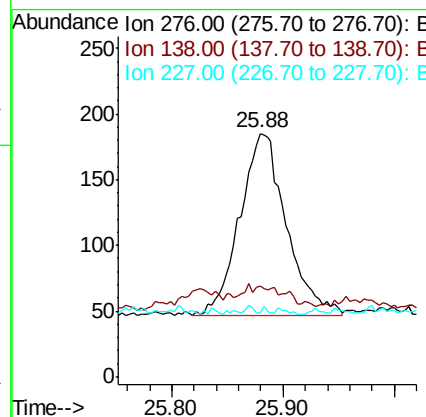
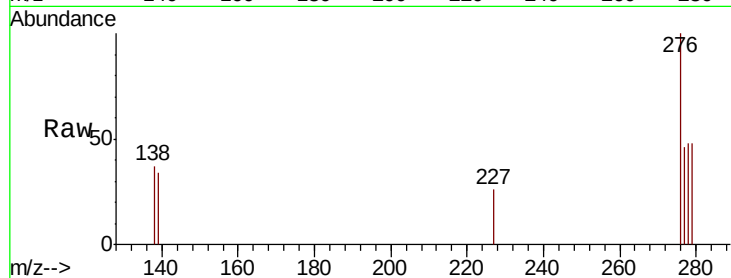
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.027 ng/ul
 RT: 25.88 min Scan# 5694
 Delta R.T. -0.00 min
 Lab File: BN014668.D
 Acq: 18 May 2021 17:48

Instrument :
 BNA_N
 ClientSampleId :
 BG1Z3

Tot Ion:276	Resp:	400
Ion Ratio	Lower	Upper
276 100		
138 0.0	10.9	16.3#
227 0.3	0.1	0.1#

Manual Integrations
 APPROVED

mohammad
 5/19/2021 11:39:16 AM



#29
 Benzo(g,h,i)perylene
 Concen: 0.028 ng/ul
 RT: 26.58 min Scan# 5902
 Delta R.T. 0.00 min
 Lab File: BN014668.D
 Acq: 18 May 2021 17:48

Tgt Ion:276	Resp:	344
Ion Ratio	Lower	Upper
276 100		
138 42.2	11.5	17.3#
277 52.6	21.4	32.2#

