

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013005.D
 Acq On : 09 Dec 2020 10:14
 Operator : CG/JU
 Sample : L4942-06DL 5X
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BJ0DL

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:39:19 PM

Quant Time: Dec 09 10:49:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 07:33:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1437	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	5922	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	3230	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	6445	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	4403	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3778	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	740	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	1448	0.08	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.19	128	1326	0.077	ng/ul	98
5) 2-Methylnaphthalene	11.83	142	718	0.064	ng/ul	98
7) Acenaphthylene	13.76	152	532	0.035	ng/ul#	78
8) Acenaphthene	14.11	153	3930	0.313	ng/ul	97
9) Fluorene	15.11	166	4377	0.304	ng/ul	98
12) Phenanthrene	16.85	178	83760	3.876	ng/ul	96
13) Anthracene	16.94	178	9467	0.515	ng/ul	97
15) Fluoranthene	18.88	202	119061	4.637	ng/ul	99
17) Pyrene	19.25	202	93756	4.508	ng/ul	99
18) Benzo(a)anthracene	21.01	228	41071	2.255	ng/ul	98
19) Chrysene	21.06	228	45489	2.260	ng/ul	98
21) Benzo(b)fluoranthene	22.51	252	50059m	2.864	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	20725m	1.073	ng/ul	
23) Benzo(a)pyrene	23.04	252	32338	1.994	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.18	276	19396	0.910	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.19	278	5280	0.313	ng/ul#	95
26) Benzo(a,h,i)perylene	25.81	276	15941	0.827	ng/ul	97

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

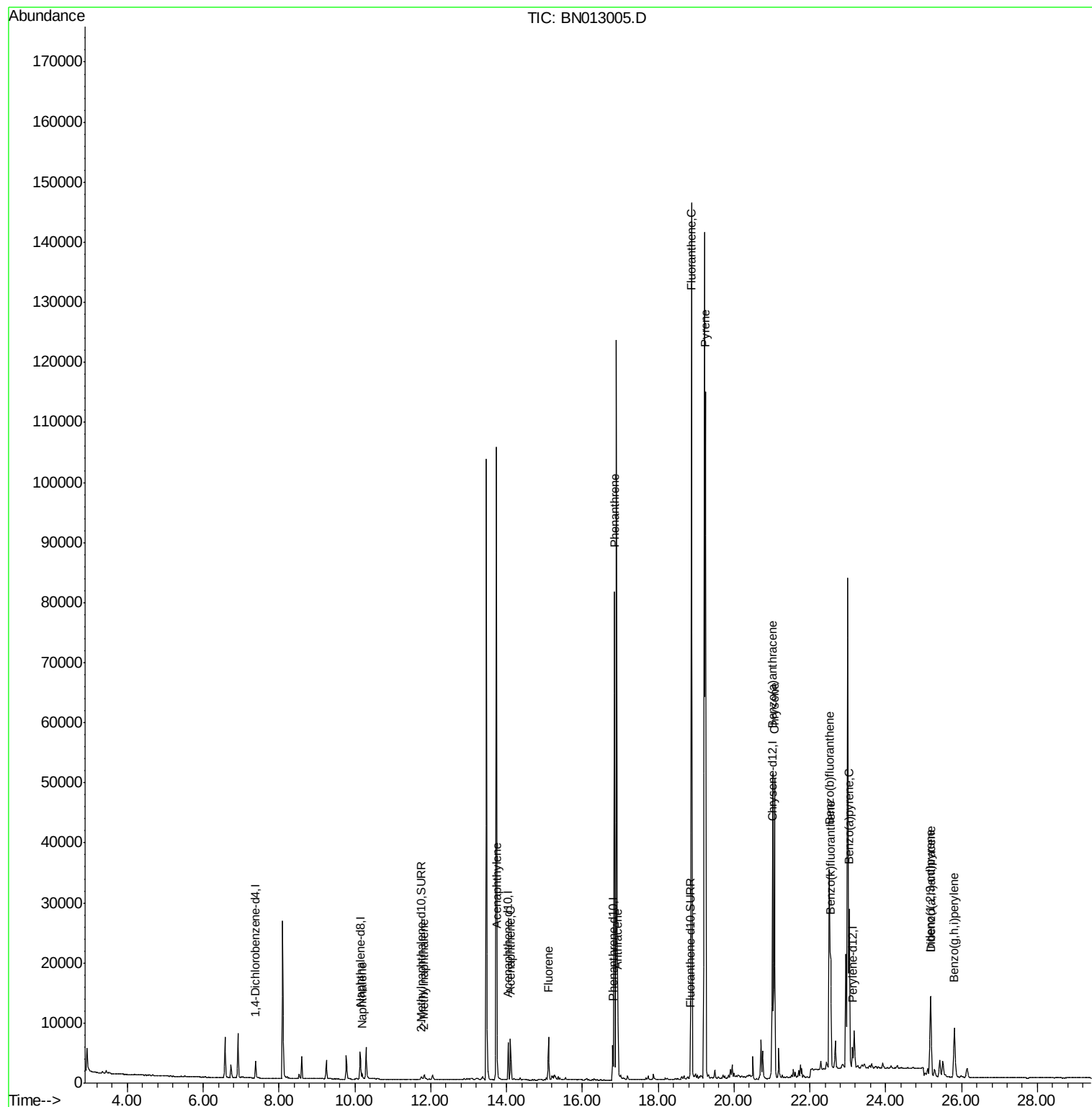
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN013005.D
Acq On : 09 Dec 2020 10:14
Operator : CG/JU
Sample : L4942-06DL 5X
Misc :
ALS Vial : 75 Sample Multiplier: 1

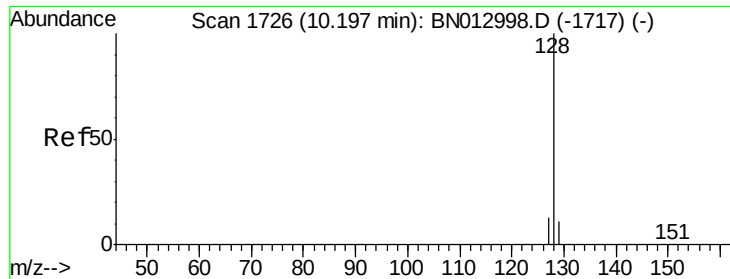
Instrument :
BNA_N
ClientSampleId :
C0BJ0DL

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 PM

Quant Time: Dec 09 10:49:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 07:33:34 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.077 ng/ul

RT: 10.19 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Instrument :

BNA_N

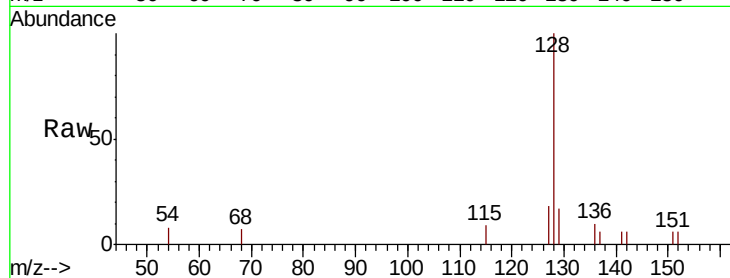
ClientSampleId :

C0BJ0DL

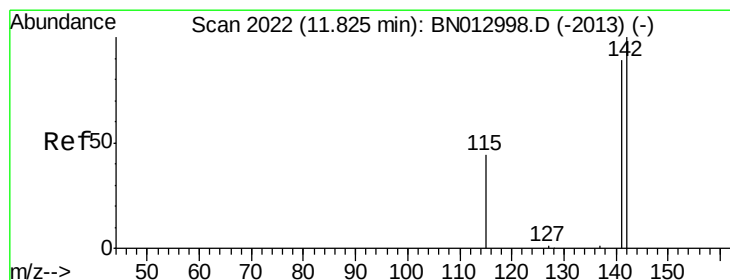
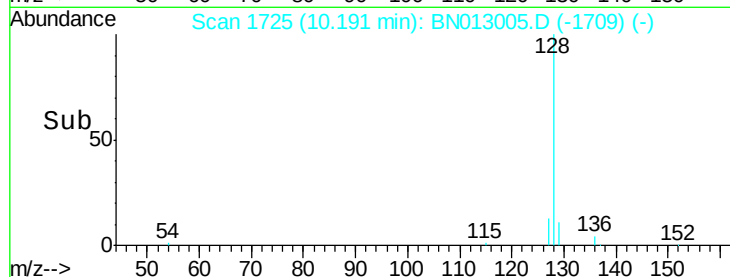
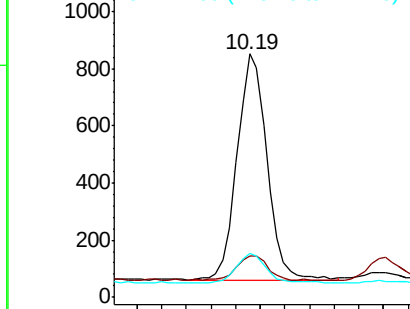
Tot Ion:	128	Resp:	1326
Ion	Ratio	Lower	Upper
128	100		
129	16.8	12.3	18.5
127	18.2	14.2	21.4

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.064 ng/ul

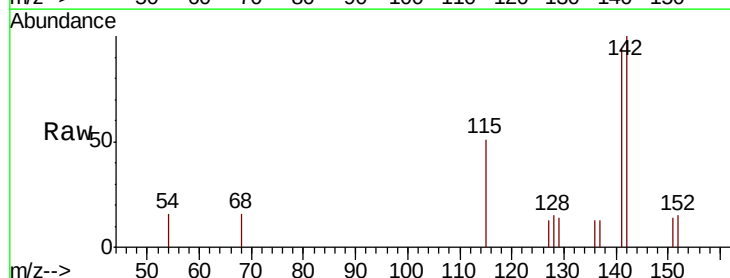
RT: 11.83 min Scan# 2023

Delta R.T. -0.01 min

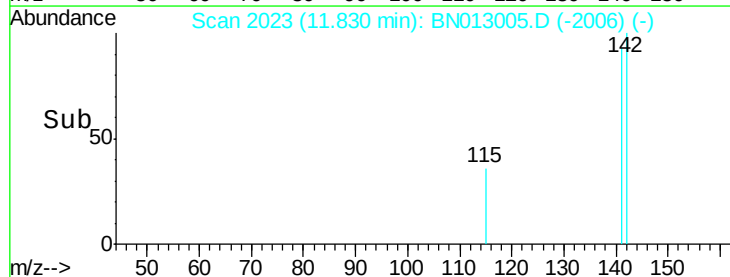
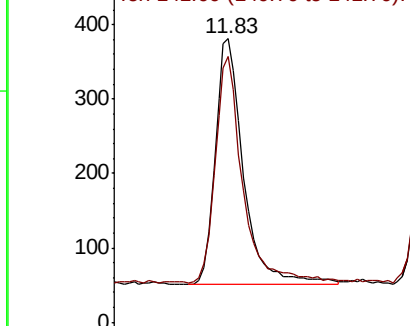
Lab File: BN013005.D

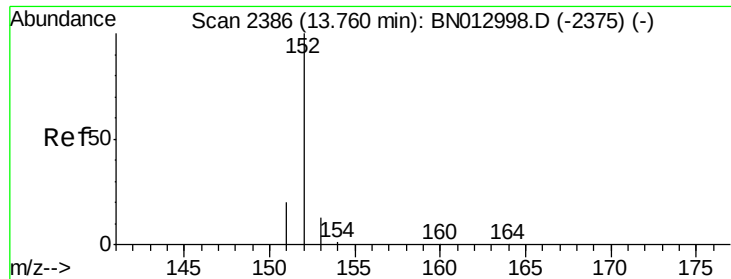
Acq: 09 Dec 2020 10:14

Tgt Ion:	142	Resp:	718
Ion	Ratio	Lower	Upper
142	100		
141	89.8	73.0	109.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Instrument :

BNA_N

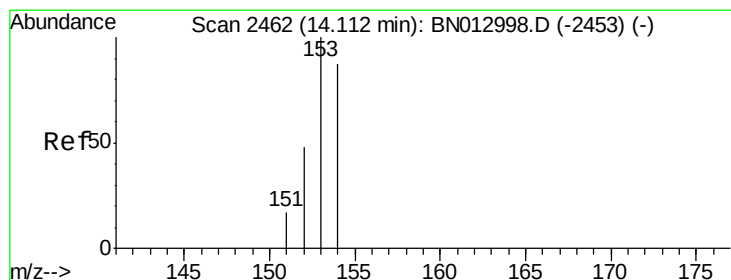
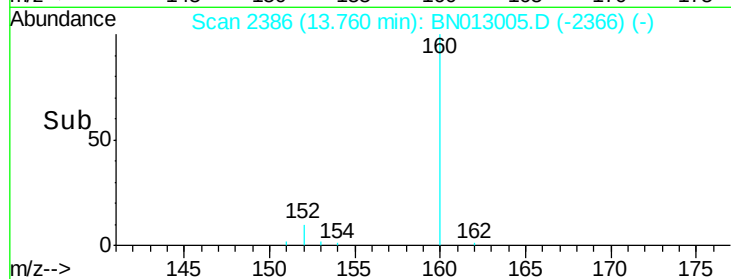
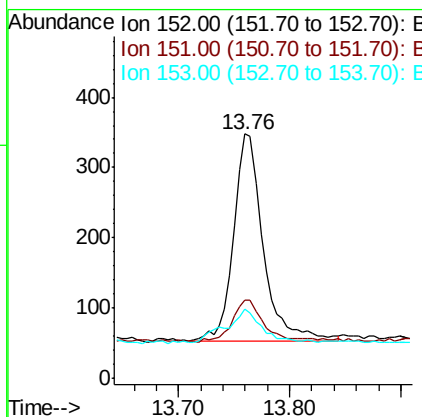
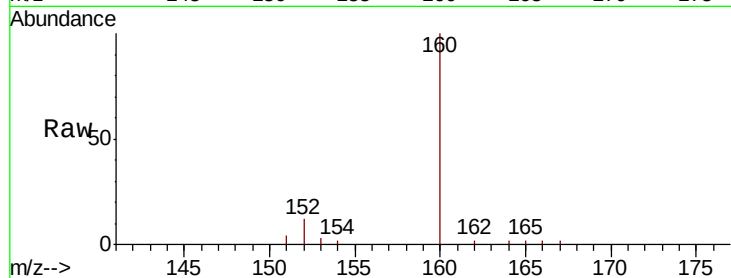
ClientSampleId :

C0BJ0DL

Tot Ion:	152	Resp:	532
Ion Ratio	Lower	Upper	
152	100		
151	31.6	18.2	27.4#
153	28.2	13.1	19.7#

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 PM



#8

Acenaphthene

Concen: 0.313 ng/ul

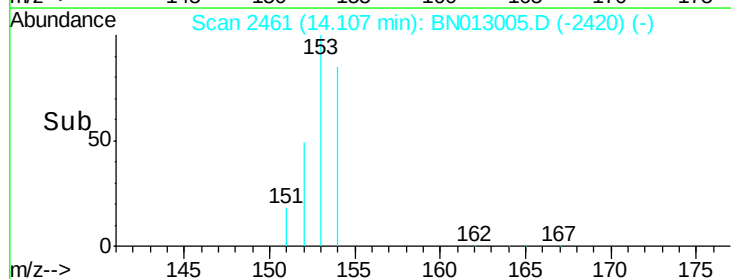
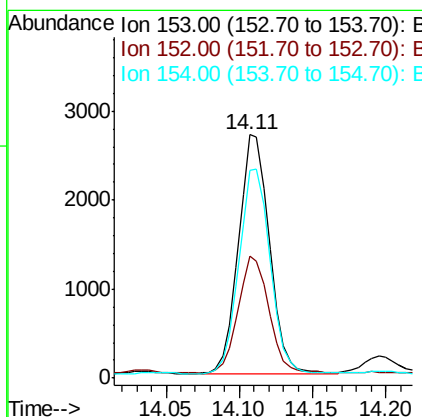
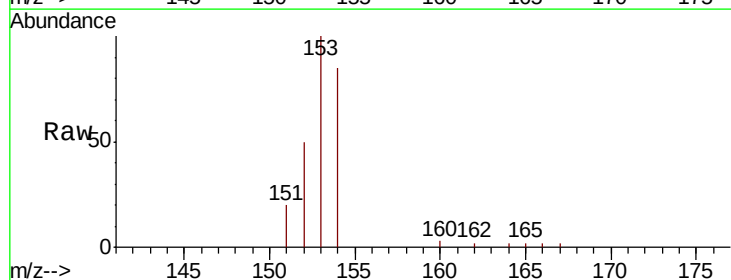
RT: 14.11 min Scan# 2461

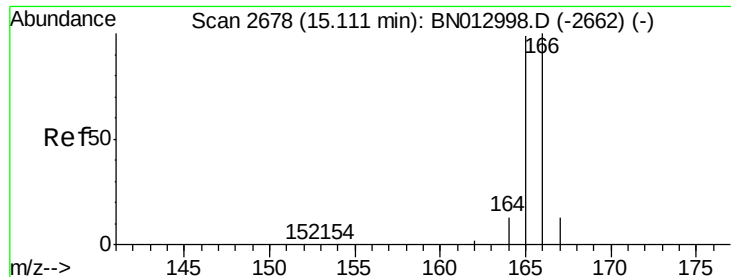
Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Tgt Ion:	153	Resp:	3930
Ion Ratio	Lower	Upper	
153	100		
152	50.0	40.7	61.1
154	85.2	70.8	106.2





#9

Fluorene

Concen: 0.304 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Instrument :

BNA_N

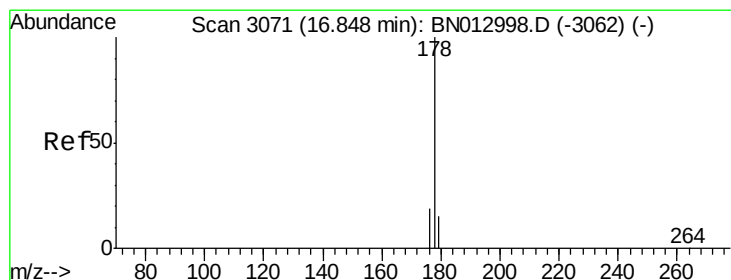
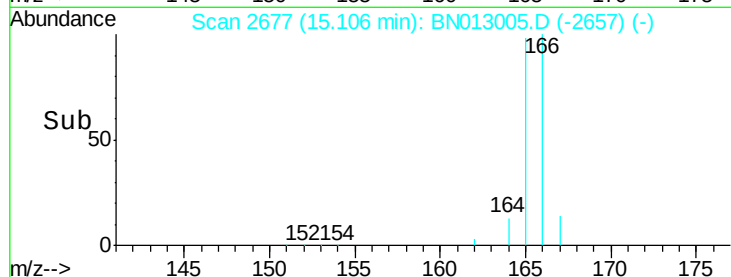
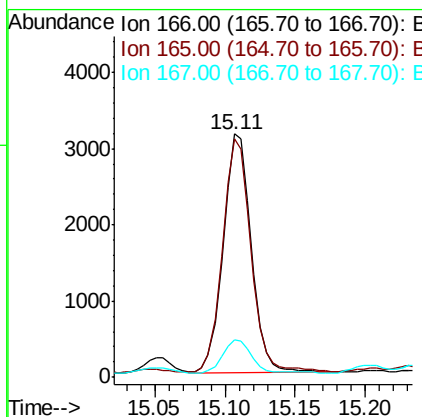
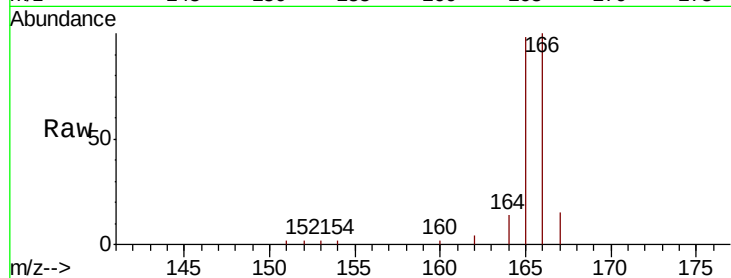
ClientSampleId :

C0BJ0DL

Tot Ion:	166	Resp:	4377
Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.8
167	15.2	13.8	20.8

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 PM



#12

Phenanthrene

Concen: 3.876 ng/ul

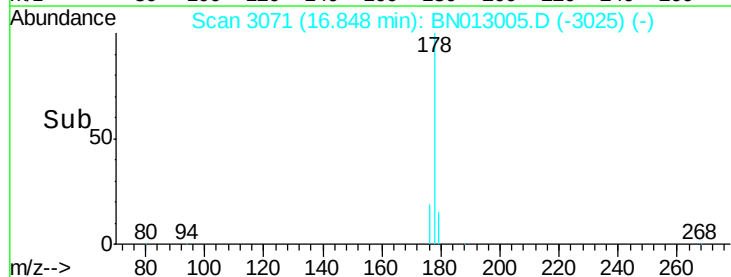
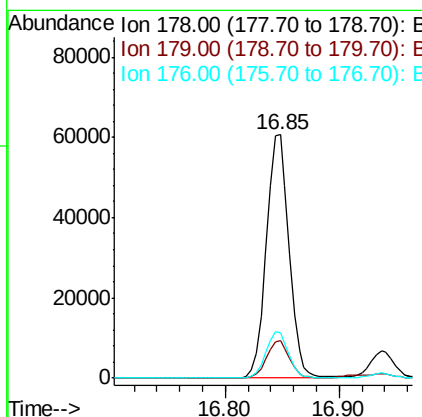
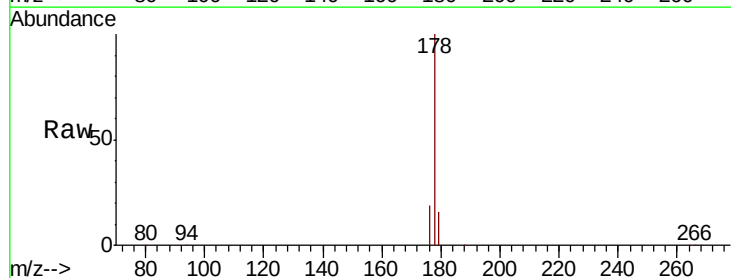
RT: 16.85 min Scan# 3071

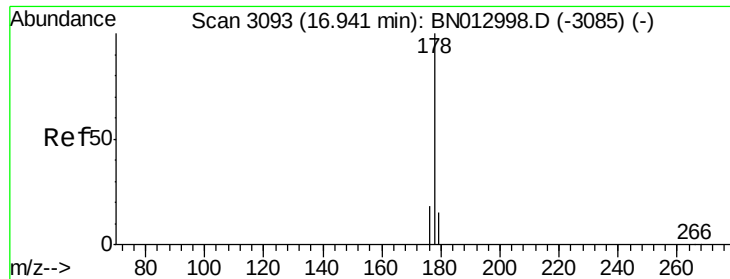
Delta R.T. -0.00 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Tgt Ion:	178	Resp:	83760
Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.6	20.4
176	18.6	16.4	24.6





#13

Anthracene

Concen: 0.515 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Instrument :

BNA_N

ClientSampleId :

C0BJ0DL

Tot Ion:178 Resp: 9467

Ion Ratio Lower Upper

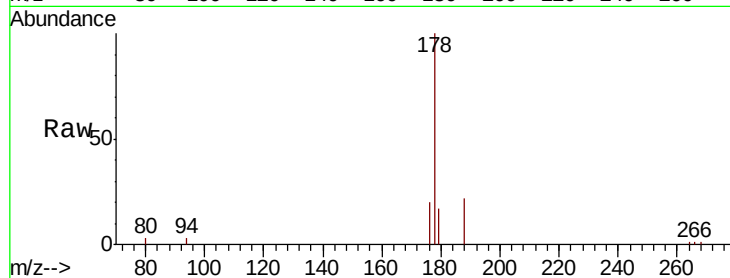
178 100

179 17.4 14.6 21.8

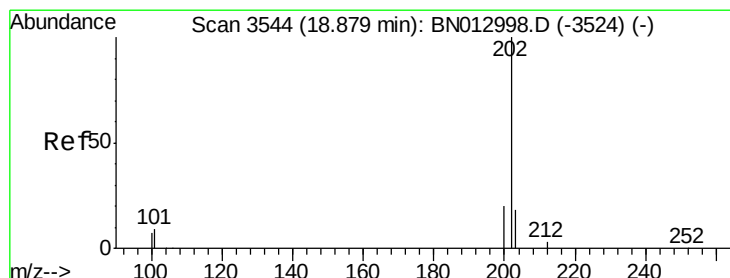
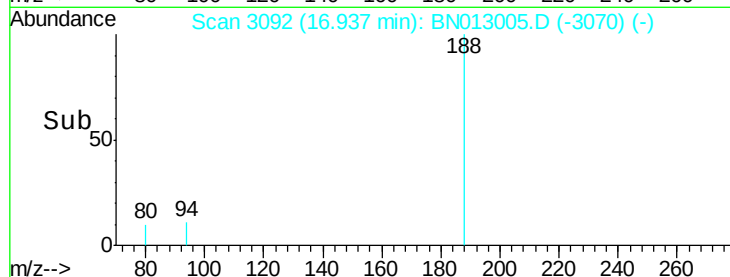
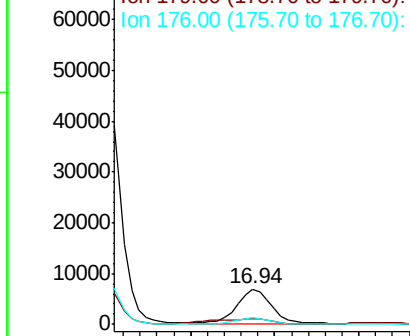
176 19.7 17.1 25.7

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 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



#15

Fluoranthene

Concen: 4.637 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

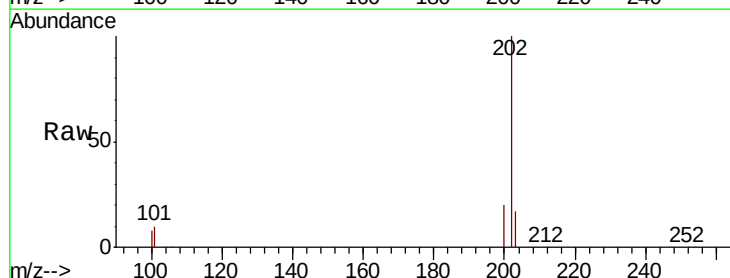
Tgt Ion:202 Resp: 119061

Ion Ratio Lower Upper

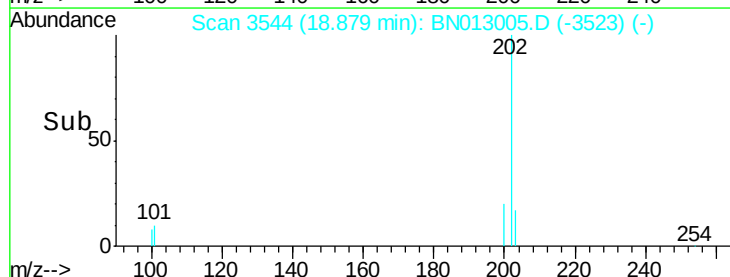
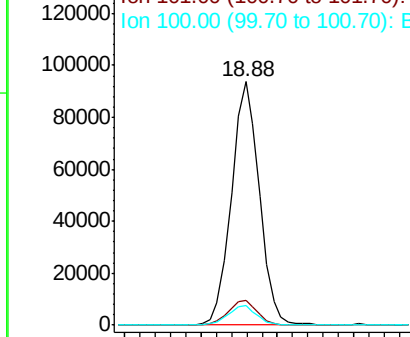
202 100

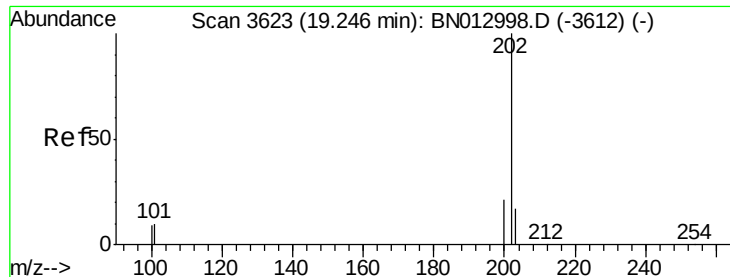
101 10.2 0.0 30.6

100 7.9 0.0 28.7



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





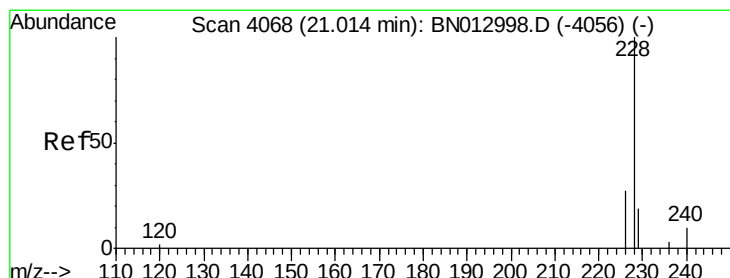
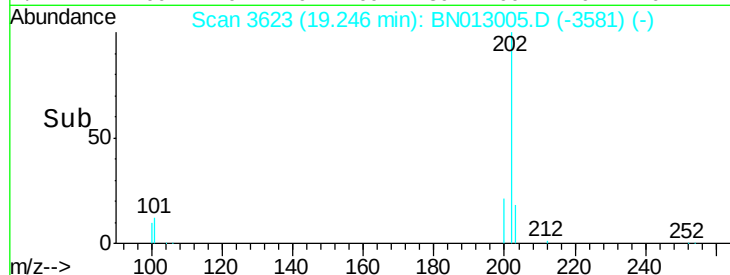
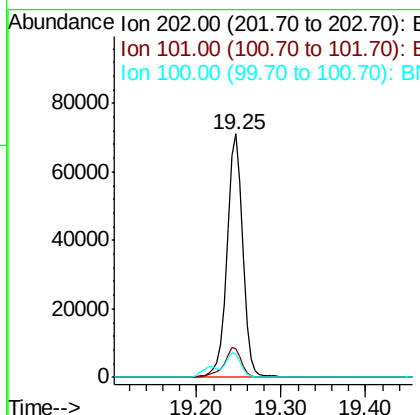
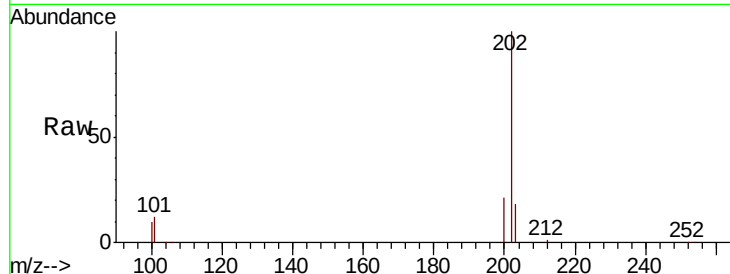
#17
Pvrene
Concen: 4.508 ng/ul
RT: 19.25 min Scan# 3623
Delta R.T. -0.00 min
Lab File: BN013005.D
Acq: 09 Dec 2020 10:14

Instrument :
BNA_N
ClientSampleId :
C0BJ0DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.7	9.1	13.7
100	9.6	7.5	11.3

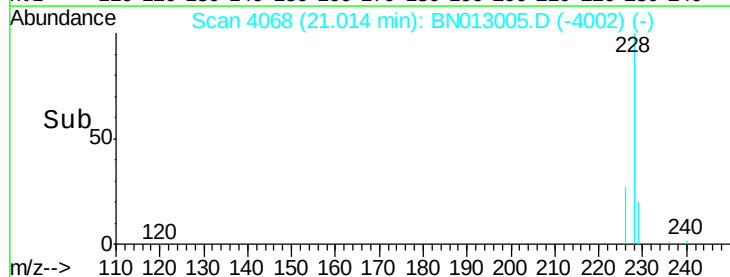
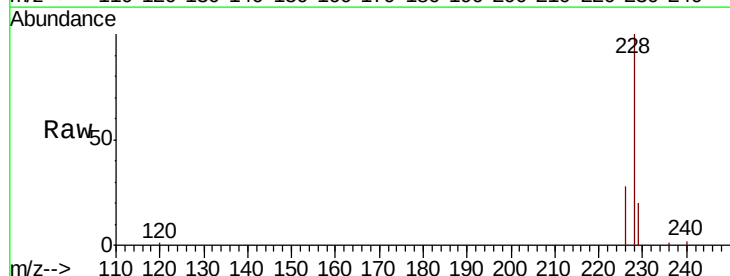
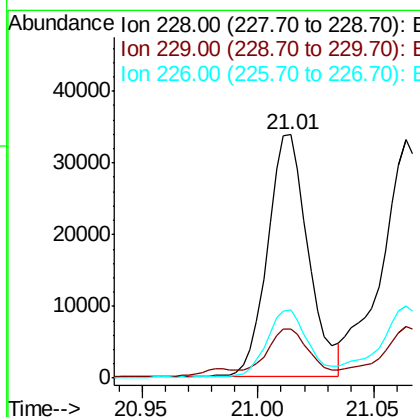
Manual Integrations
APPROVED

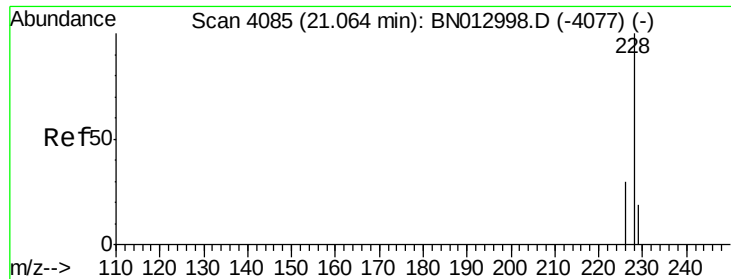
mohammad
12/9/2020 5:39:19 PM



#18
Benzo(a)anthracene
Concen: 2.255 ng/ul
RT: 21.01 min Scan# 4068
Delta R.T. -0.01 min
Lab File: BN013005.D
Acq: 09 Dec 2020 10:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.3	16.3	24.5
226	27.8	23.4	35.2





#19

Chrysene

Concen: 2.260 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Instrument :

BNA_N

ClientSampleId :

C0BJ0DL

Tot Ion:228 Resp: 45489

Ion Ratio Lower Upper

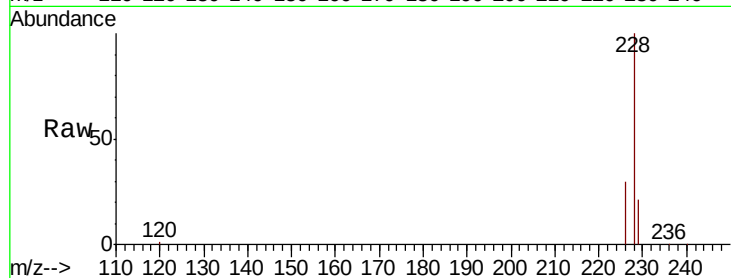
228 100

226 30.1 25.0 37.6

229 21.5 16.4 24.6

Manual Integrations
APPROVED

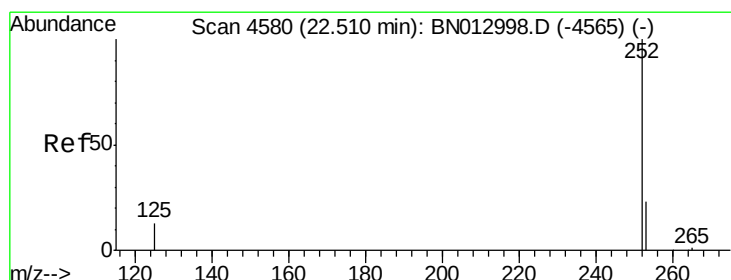
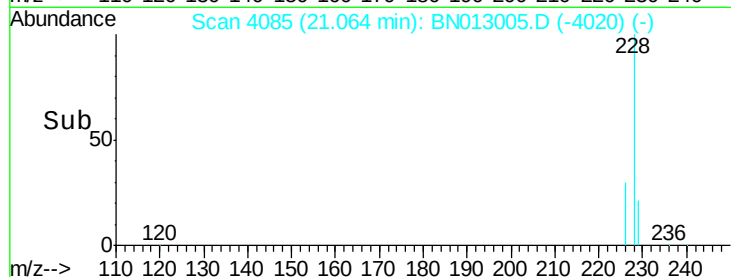
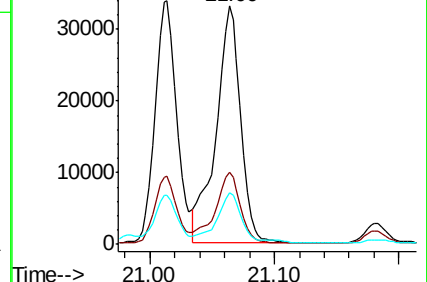
mohammad
12/9/2020 5:39:19 PM



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



#21

Benzo(b)fluoranthene

Concen: 2.864 ng/ul m

RT: 22.51 min Scan# 4580

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

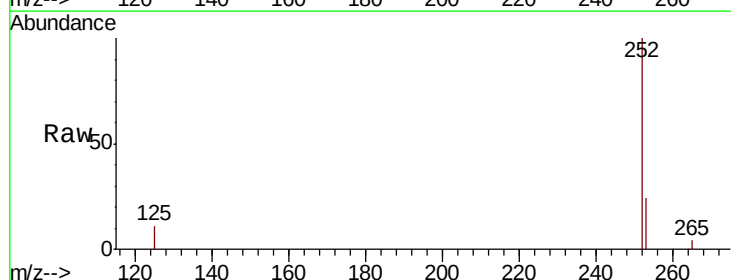
Tgt Ion:252 Resp: 50059

Ion Ratio Lower Upper

252 100

253 23.7 0.0 59.6

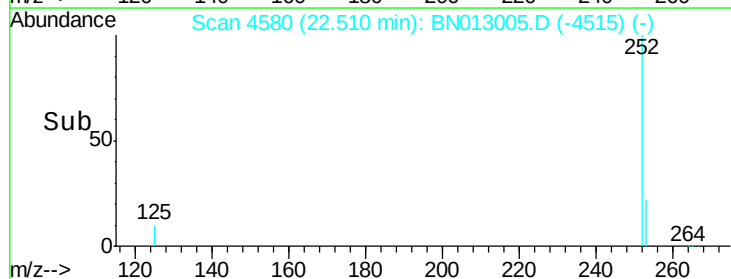
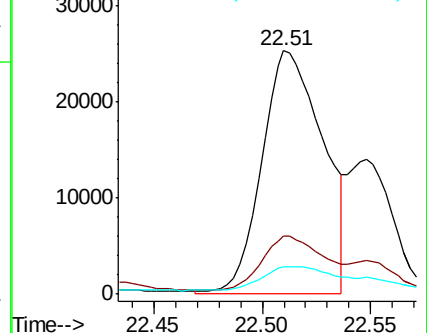
125 11.3 0.0 26.0

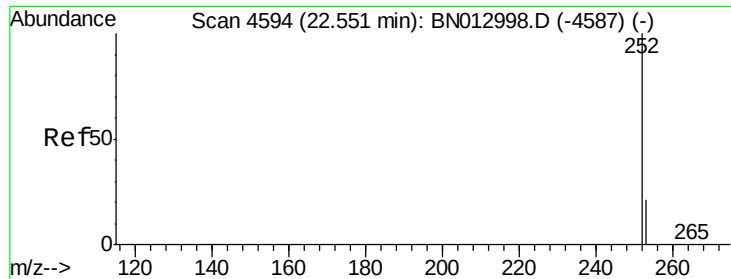


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.073 ng/ul m

RT: 22.55 min Scan# 4593

Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Instrument :

BNA_N

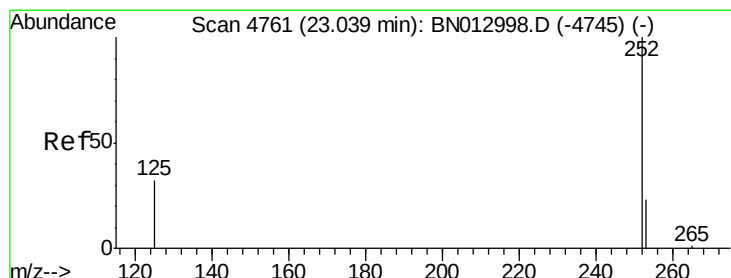
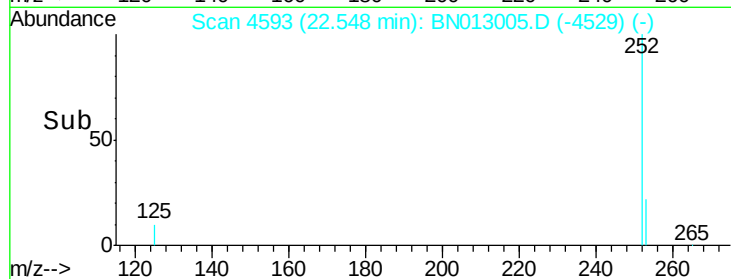
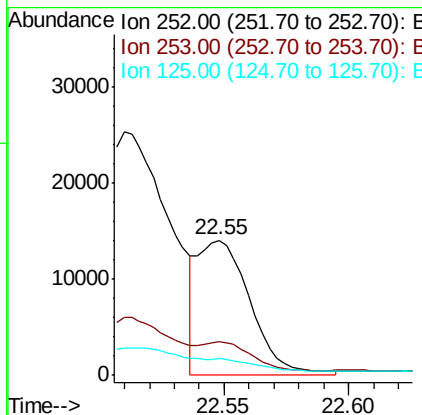
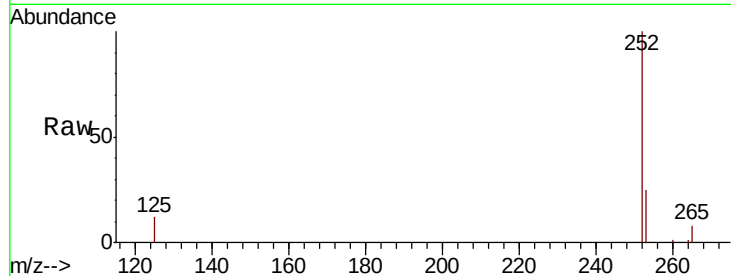
ClientSampleId :

C0BJ0DL

Tot Ion:	252	Resp:	20725
Ion Ratio	Lower	Upper	
252	100		
253	24.8	23.4	35.2
125	12.2	11.1	16.7

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 PM



#23

Benzo(a)pyrene

Concen: 1.994 ng/ul

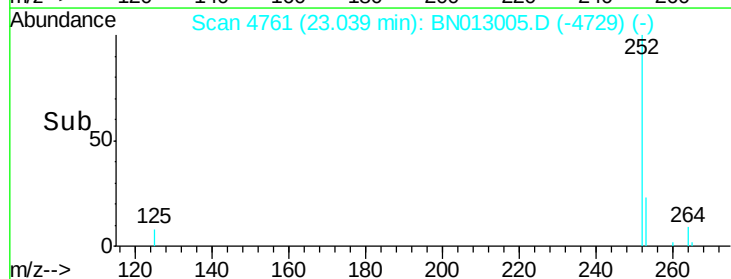
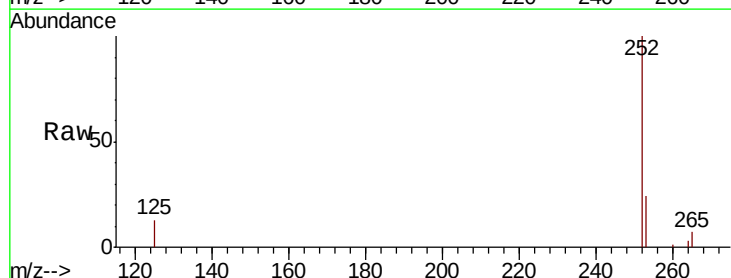
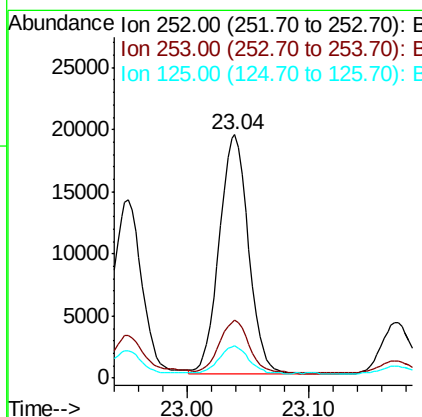
RT: 23.04 min Scan# 4761

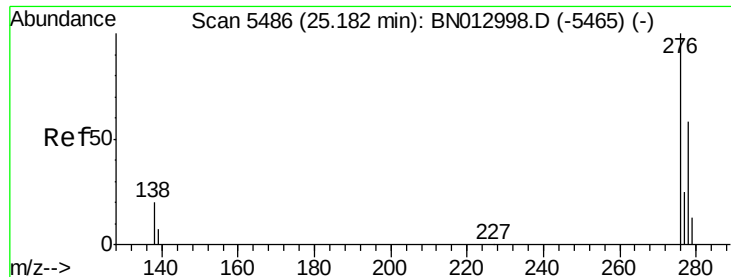
Delta R.T. -0.01 min

Lab File: BN013005.D

Acq: 09 Dec 2020 10:14

Tgt Ion:	252	Resp:	32338
Ion Ratio	Lower	Upper	
252	100		
253	23.6	26.5	39.7#
125	13.2	14.2	21.2#





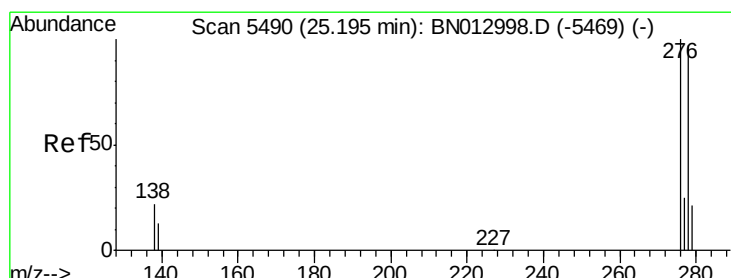
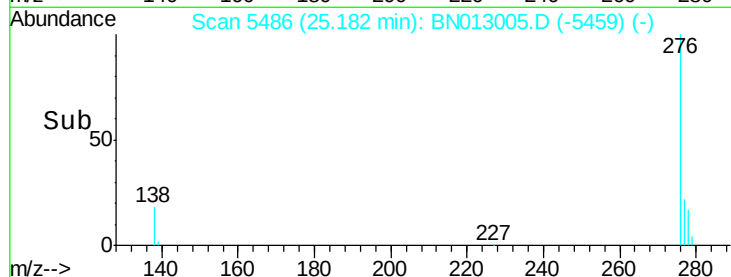
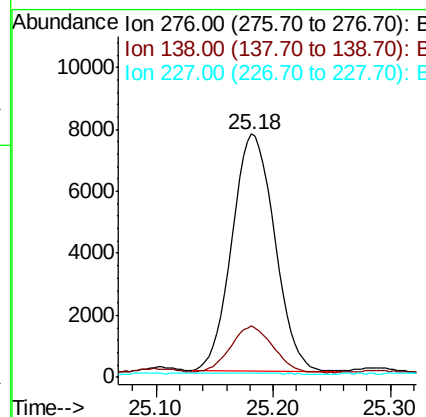
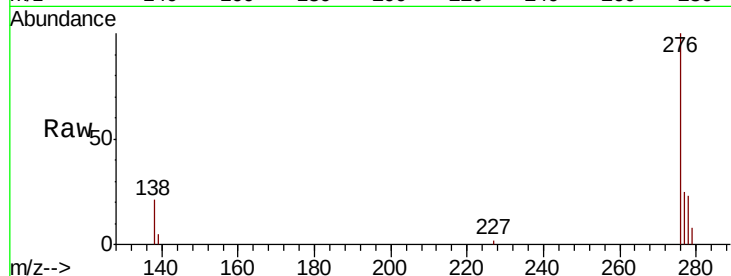
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.910 ng/ul
 RT: 25.18 min Scan# 5486
 Delta R.T. -0.01 min
 Lab File: BN013005.D
 Acq: 09 Dec 2020 10:14

Instrument :
 BNA_N
 ClientSampled :
 C0BJ0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.2	24.2
227	0.1	0.0	0.0

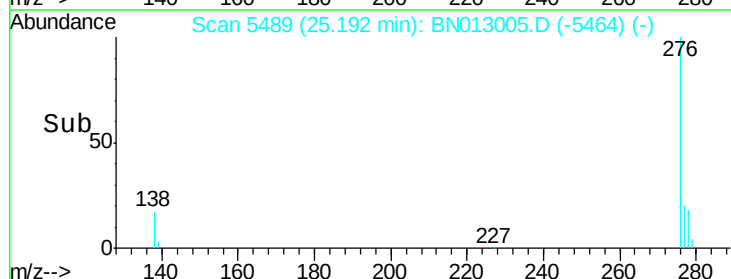
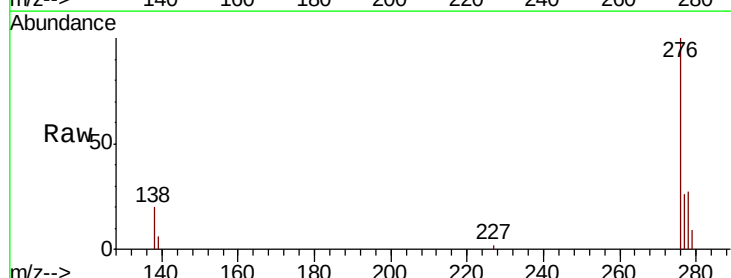
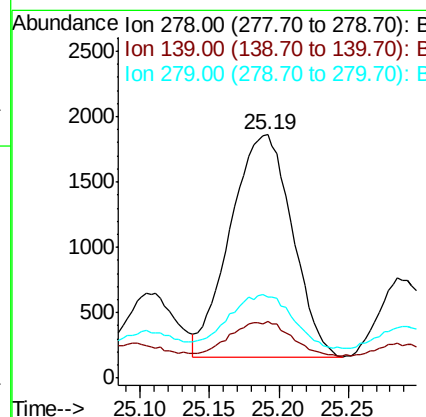
Manual Integrations
 APPROVED

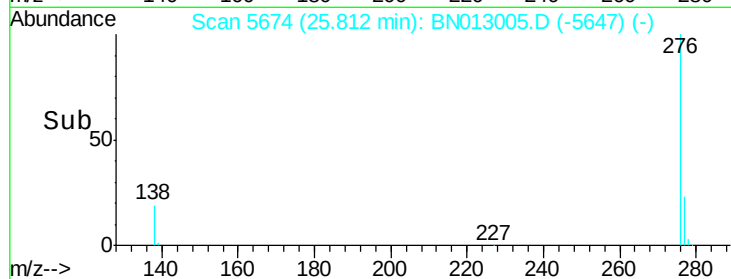
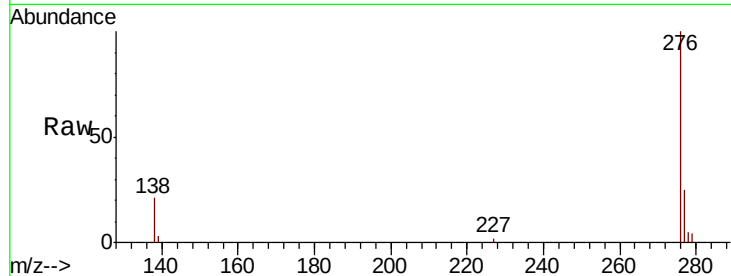
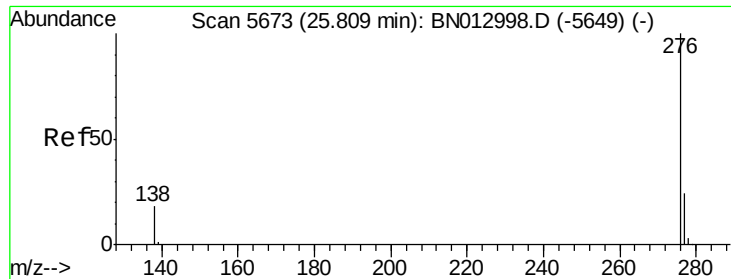
mohammad
 12/9/2020 5:39:19 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.313 ng/ul
 RT: 25.19 min Scan# 5489
 Delta R.T. -0.02 min
 Lab File: BN013005.D
 Acq: 09 Dec 2020 10:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.5	14.5	21.7
279	33.5	26.3	39.5





#26
Benzo(a,h,i)perylene
Concen: 0.827 ng/ul
RT: 25.81 min Scan# 5674
Delta R.T. -0.01 min
Lab File: BN013005.D
Acq: 09 Dec 2020 10:14

Tot Ion:	276	Resp:	15941
Ion Ratio	Lower	Upper	
276	100		
138	21.0	16.3	24.5
277	25.3	21.8	32.6

Instrument :
BNA_N
ClientSampleId :
C0BJ0DL

Manual Integrations
APPROVED

mohammad
12/9/2020 5:39:19 PM

