

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012942.D
 Acq On : 07 Dec 2020 16:54
 Operator : CG/JU
 Sample : L4859-02DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B26DL

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:21:14 PM

Quant Time: Dec 07 17:27:36 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 : Mon Dec 07 12:24:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	914	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	3701	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.06	164	2096	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4416	0.40	ng/ul	0.00
16) Chrysene-d12	21.04	240	3751	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	3753	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.78	152	72	0.01	ng/ul	0.02
14) Fluoranthene-d10	18.86	212	147	0.01	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.77	152	290	0.029	ng/ul#	65
8) Acenaphthene	14.12	153	258	0.032	ng/ul	94
9) Fluorene	15.12	166	255	0.027	ng/ul#	88
12) Phenanthrene	16.85	178	6696	0.452	ng/ul	99
13) Anthracene	16.95	178	1115	0.088	ng/ul#	94
15) Fluoranthene	18.88	202	15659	0.890	ng/ul	97
17) Pyrene	19.25	202	14154	0.799	ng/ul	98
18) Benzo(a)anthracene	21.02	228	6713	0.433	ng/ul	98
19) Chrysene	21.07	228	7786	0.454	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	11091m	0.639	ng/ul	
22) Benzo(k)fluoranthene	22.56	252	4048m	0.211	ng/ul	
23) Benzo(a)pyrene	23.05	252	6993	0.434	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.20	276	4839	0.229	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.20	278	1152	0.069	ng/ul#	72
26) Benzo(g,h,i)perylene	25.82	276	4316	0.225	ng/ul	98

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

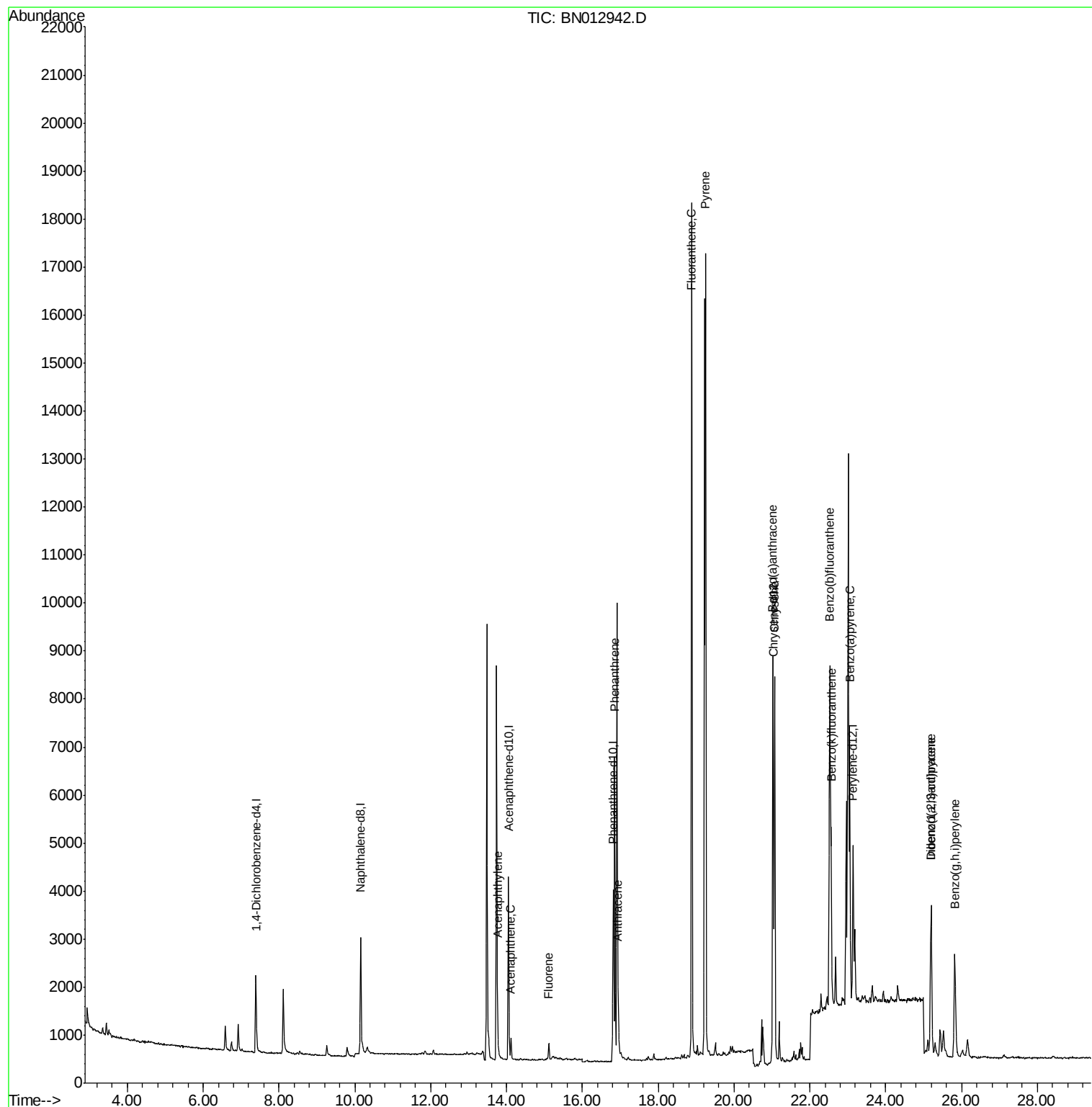
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN012942.D
Acq On : 07 Dec 2020 16:54
Operator : CG/JU
Sample : L4859-02DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

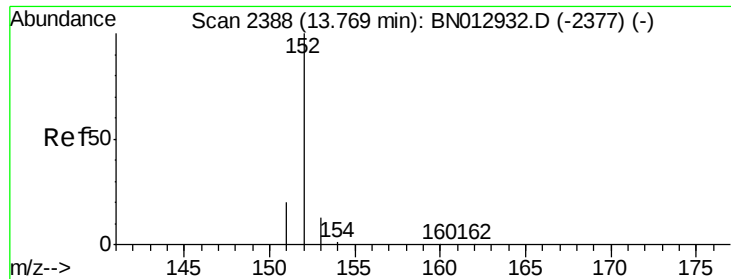
Instrument :
BNA_N
ClientSampleId :
C0B26DL

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:14 PM

Quant Time: Dec 07 17:27:36 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 : Mon Dec 07 12:24:06 2020
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.029 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Instrument :

BNA_N

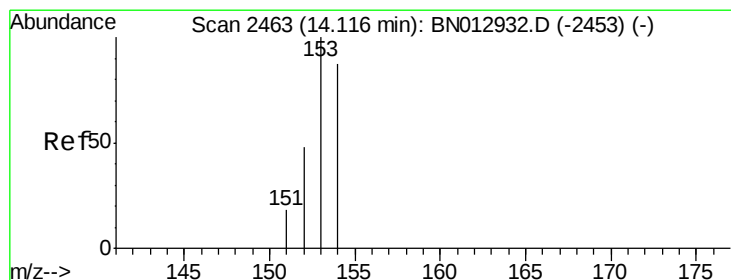
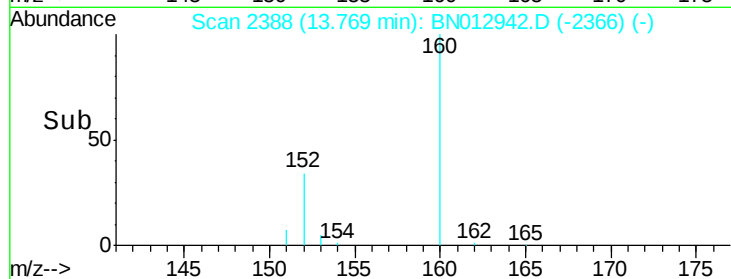
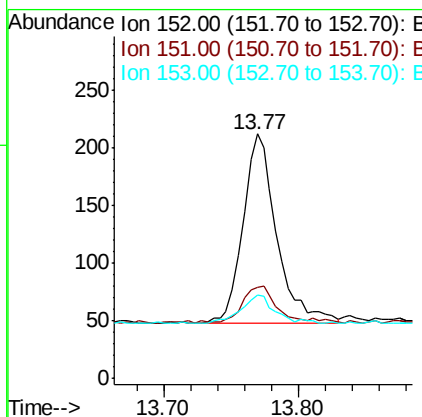
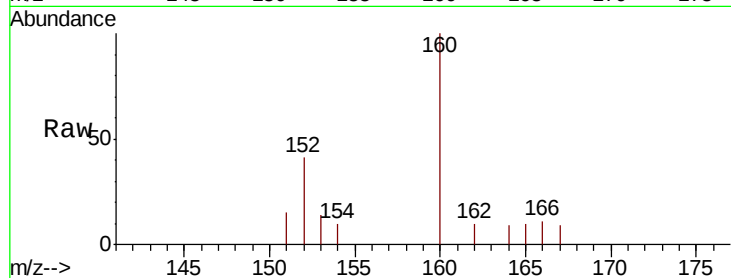
ClientSampleId :

C0B26DL

Tot Ion:	152	Resp:	290
Ion Ratio	Lower	Upper	
152	100		
151	37.3	18.2	27.4#
153	34.0	13.1	19.7#

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:14 PM



#8

Acenaphthene

Concen: 0.032 ng/ul

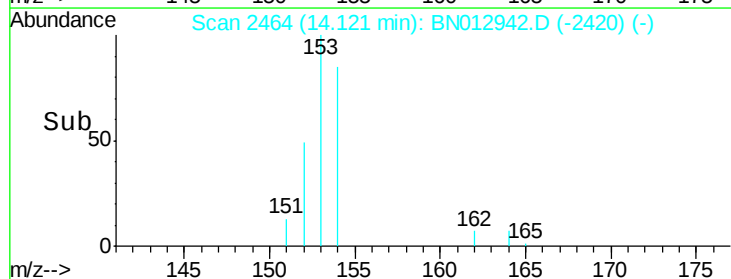
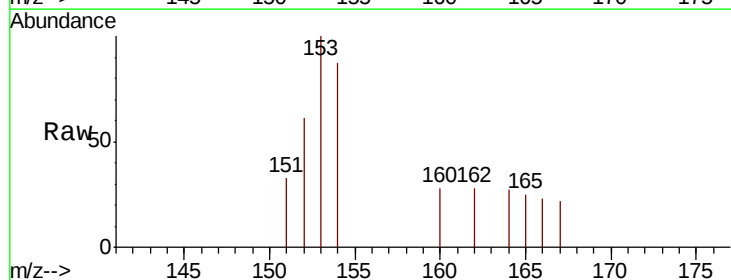
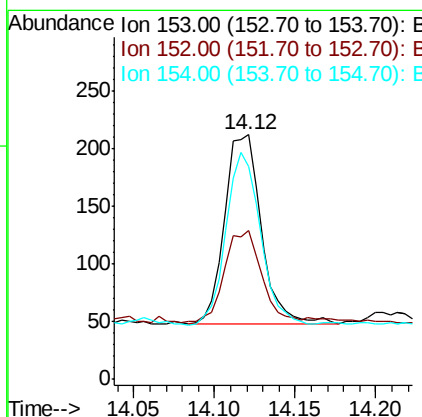
RT: 14.12 min Scan# 2464

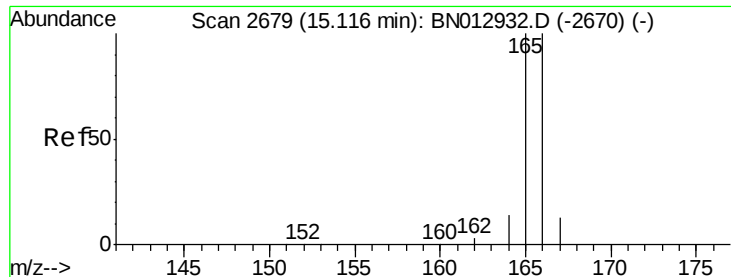
Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Tgt Ion:	153	Resp:	258
Ion Ratio	Lower	Upper	
153	100		
152	60.8	40.7	61.1
154	87.3	70.8	106.2





#9

Fluorene

Concen: 0.027 ng/ul

RT: 15.12 min Scan# 2680

Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Instrument :

BNA_N

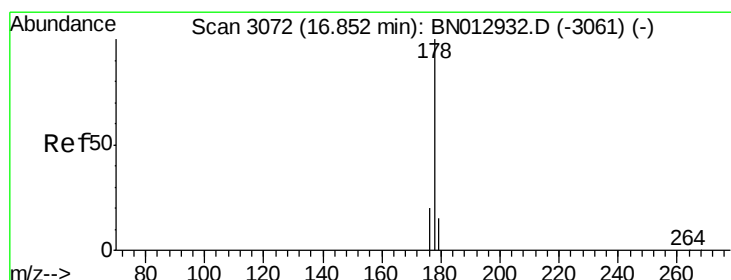
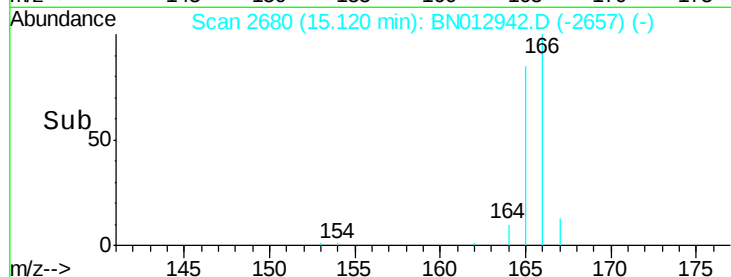
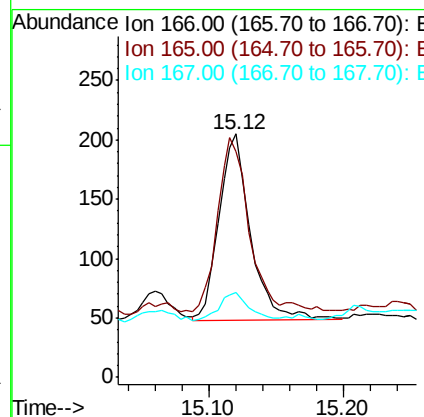
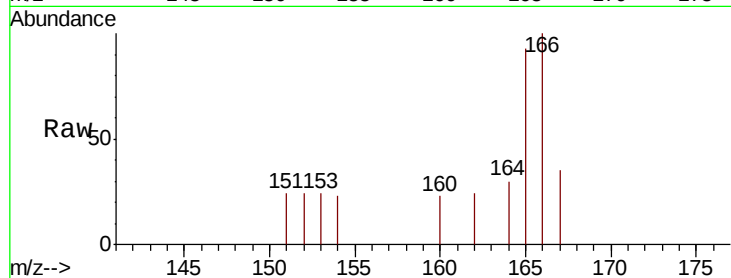
ClientSampled :

C0B26DL

Tot Ion:	166	Resp:	255
Ion Ratio	Lower	Upper	
166	100		
165	92.7	79.8	119.8
167	35.1	13.8	20.8

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:14 PM



#12

Phenanthrene

Concen: 0.452 ng/ul

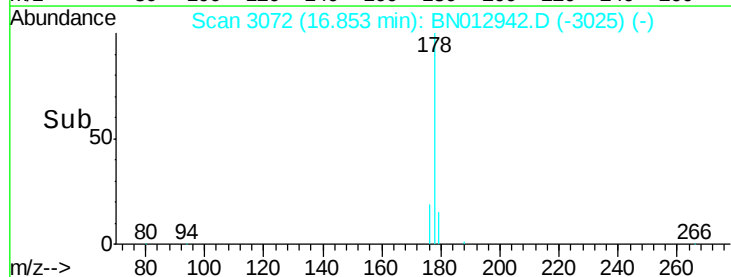
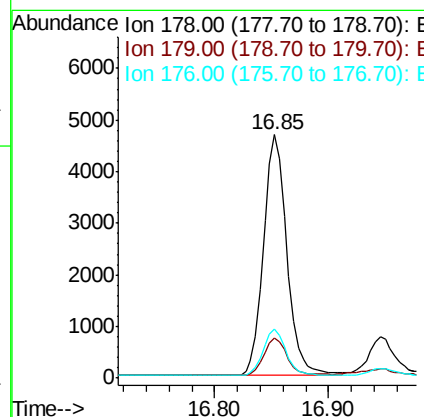
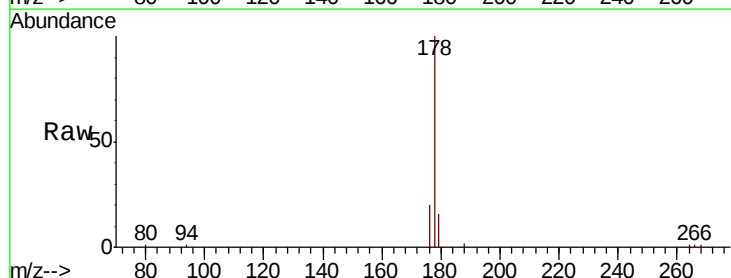
RT: 16.85 min Scan# 3072

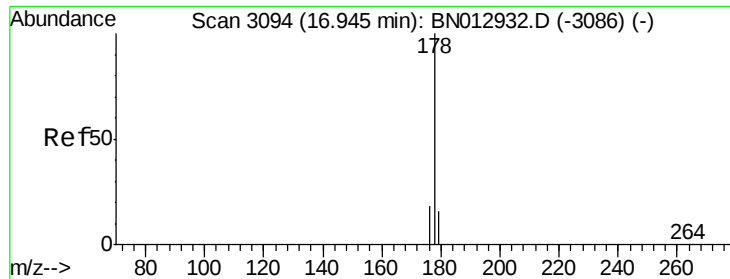
Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Tgt Ion:	178	Resp:	6696
Ion Ratio	Lower	Upper	
178	100		
179	16.4	13.6	20.4
176	20.1	16.4	24.6





#13

Anthracene

Concen: 0.088 ng/ul

RT: 16.95 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Instrument :

BNA_N

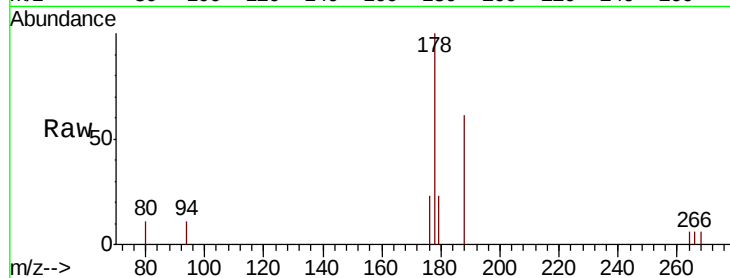
ClientSampleId :

C0B26DL

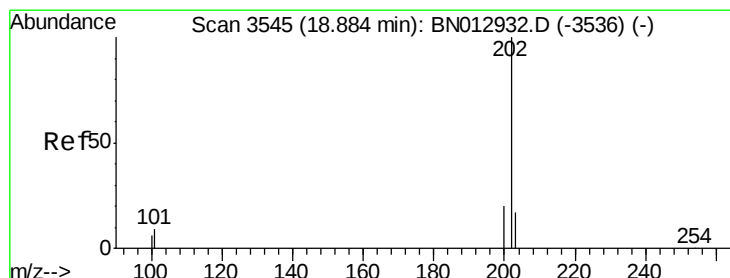
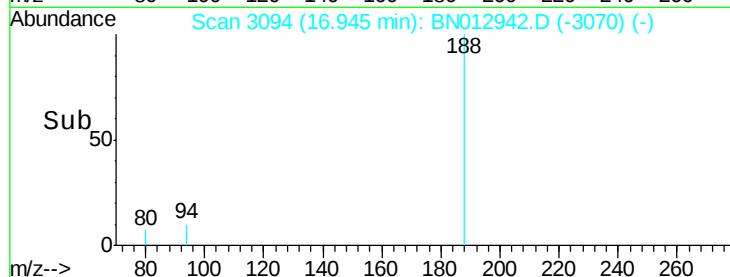
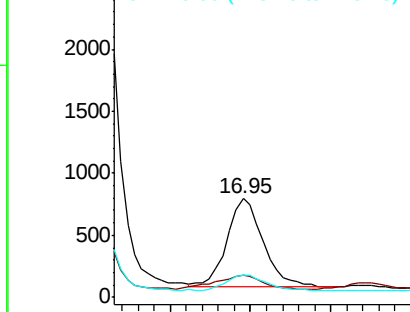
Tot Ion:	178	Resp:	1115
Ion Ratio	Lower	Upper	
178	100		
179	22.5	14.6	21.8#
176	22.9	17.1	25.7

Manual Integrations
APPROVED

mohammad
12/9/2020 12:21:14 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: 0.890 ng/ul

RT: 18.88 min Scan# 3545

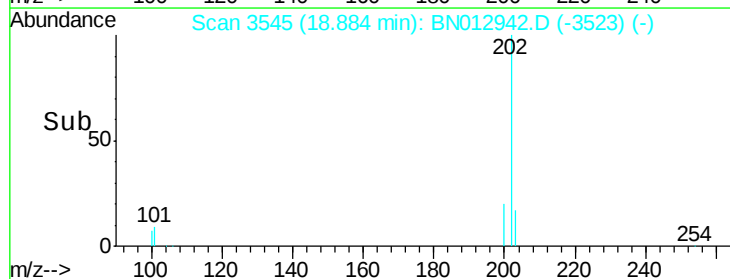
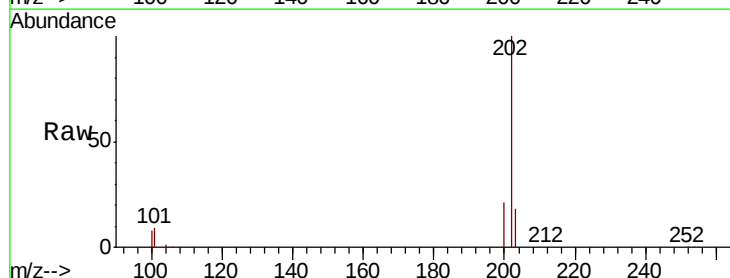
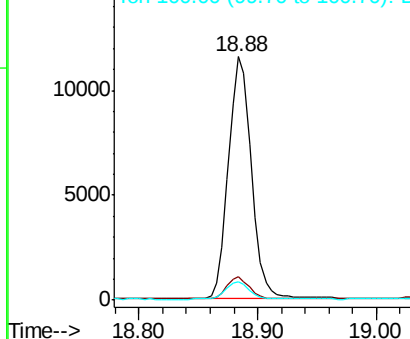
Delta R.T. 0.00 min

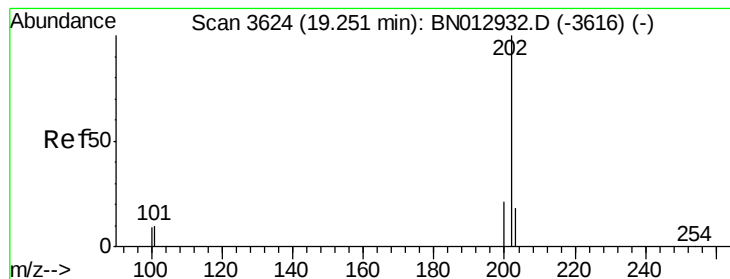
Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Tgt Ion:	202	Resp:	15659
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	30.6
100	7.7	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: 0.799 ng/ul

RT: 19.25 min Scan# 3624

Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Instrument :

BNA_N

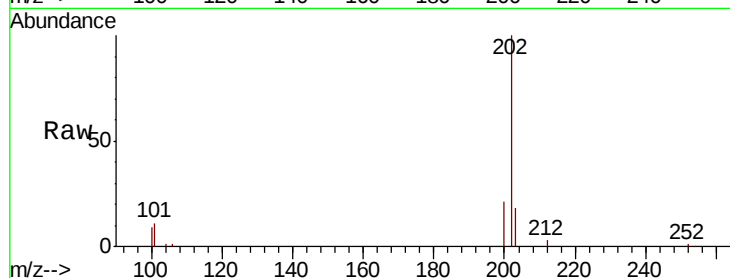
ClientSampleId :

C0B26DL

Tot Ion:	202	Resp:	14154
Ion Ratio	Lower	Upper	
202	100		
101	10.5	9.1	13.7
100	9.0	7.5	11.3

Manual Integrations
APPROVED

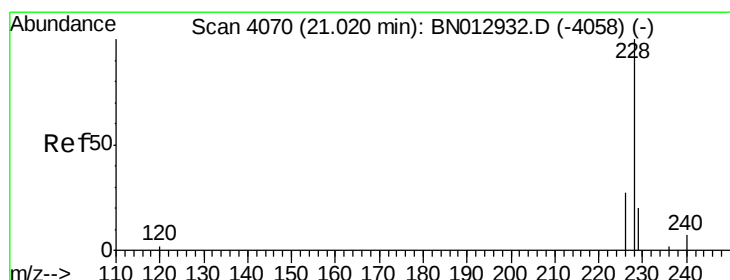
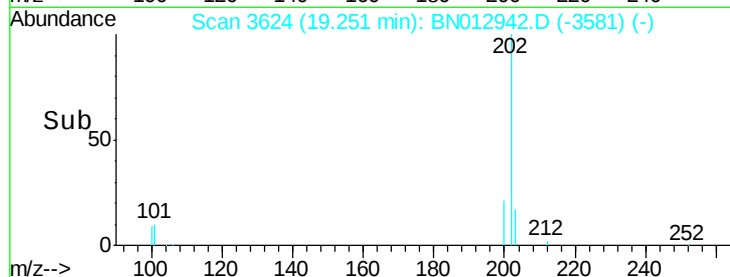
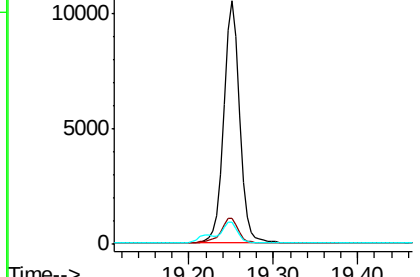
mohammad
12/9/2020 12:21:14 PM



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): E



#18

Benzo(a)anthracene

Concen: 0.433 ng/ul

RT: 21.02 min Scan# 4070

Delta R.T. 0.00 min

Lab File: BN012942.D

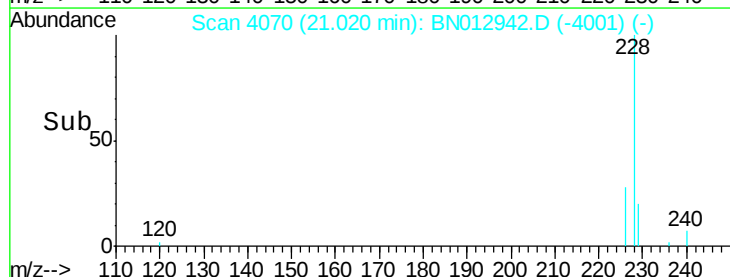
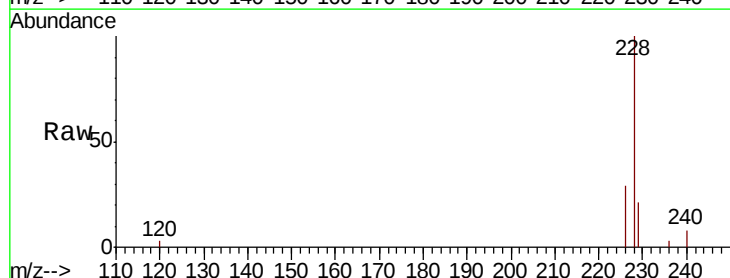
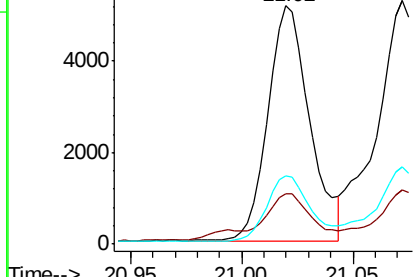
Acq: 07 Dec 2020 16:54

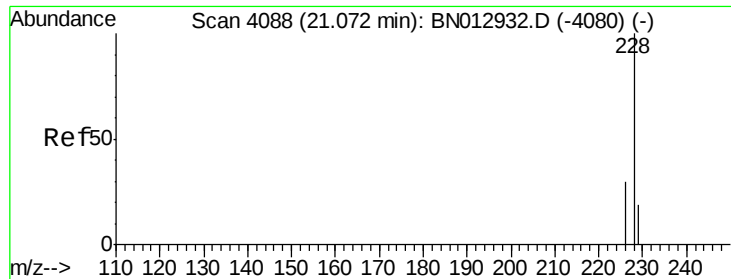
Tgt Ion:	228	Resp:	6713
Ion Ratio	Lower	Upper	
228	100		
229	21.2	16.3	24.5
226	28.5	23.4	35.2

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





#19

Chrysene

Concen: 0.454 ng/ul

RT: 21.07 min Scan# 4088

Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

Instrument :

BNA_N

ClientSampleId :

C0B26DL

Tot Ion:228 Resp: 7786

Ion Ratio Lower Upper

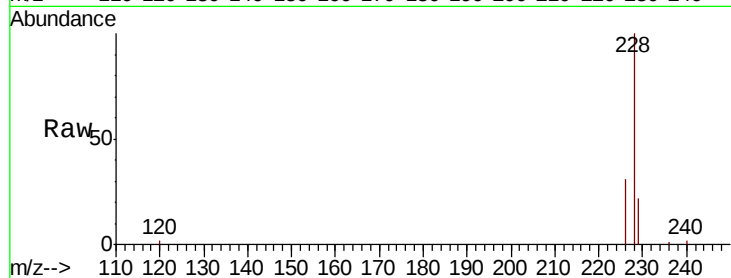
228 100

226 31.5 25.0 37.6

229 22.0 16.4 24.6

Manual Integrations
APPROVED

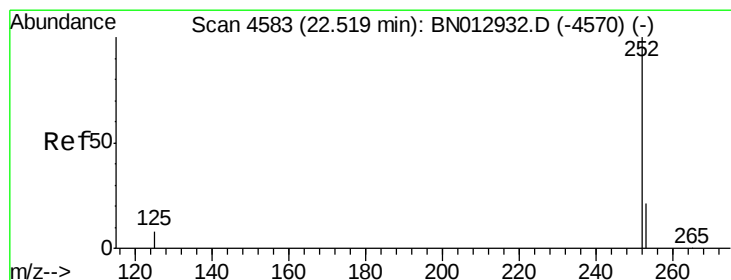
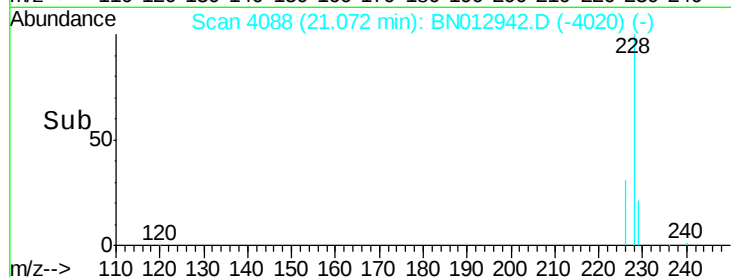
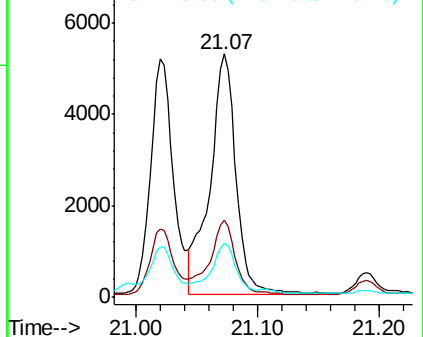
mohammad
12/9/2020 12:21:14 PM



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: 0.639 ng/ul m

RT: 22.52 min Scan# 4584

Delta R.T. 0.00 min

Lab File: BN012942.D

Acq: 07 Dec 2020 16:54

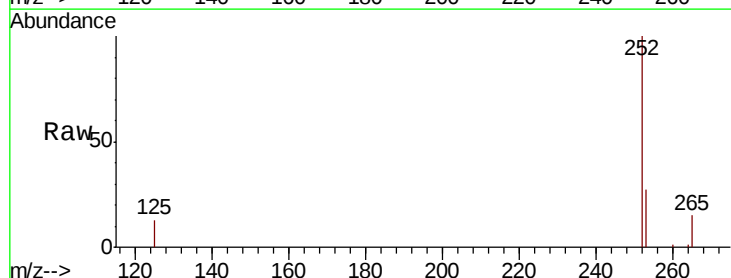
Tgt Ion:252 Resp: 11091

Ion Ratio Lower Upper

252 100

253 27.4 0.0 59.6

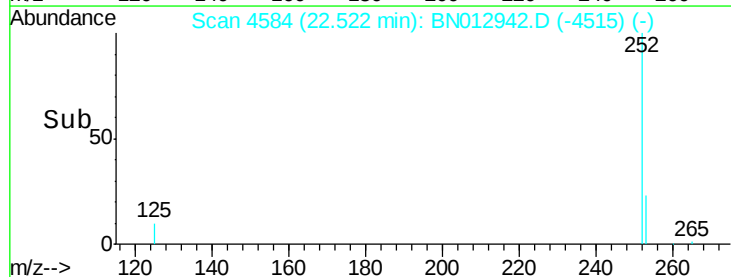
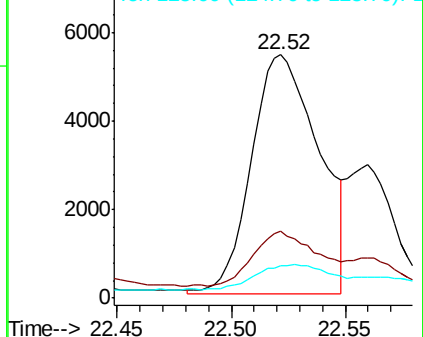
125 13.1 0.0 26.0

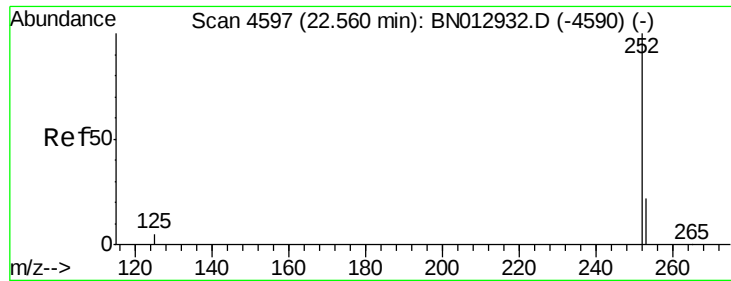


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





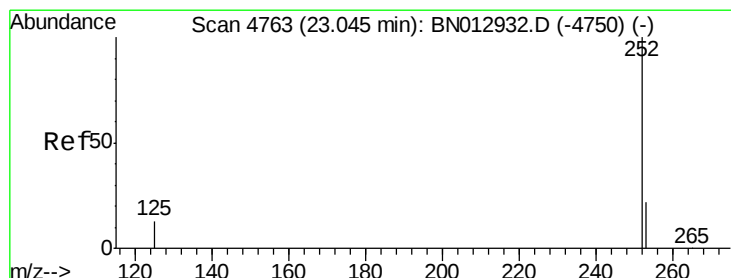
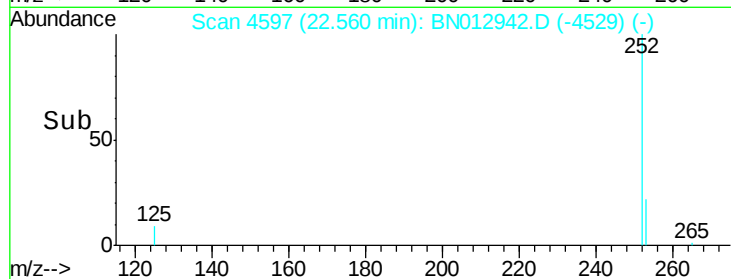
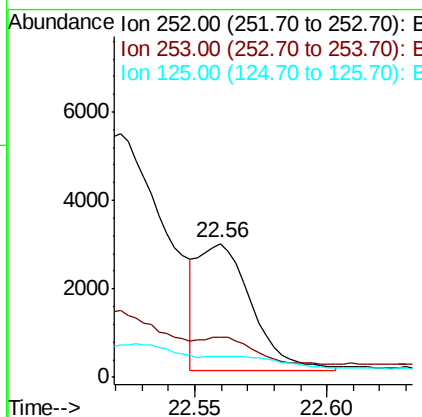
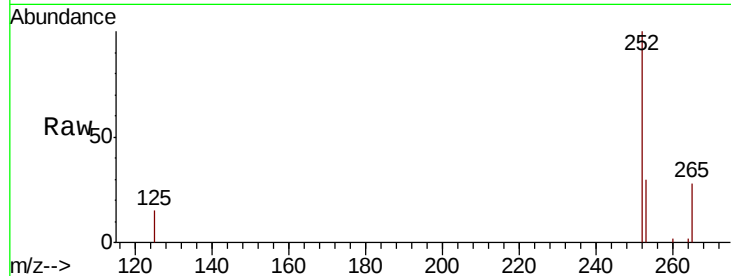
#22
Benzo(k)fluoranthene
Concen: 0.211 ng/ul m
RT: 22.56 min Scan# 4597
Delta R.T. 0.00 min
Lab File: BN012942.D
Acq: 07 Dec 2020 16:54

Instrument :
BNA_N
ClientSampleId :
C0B26DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	23.4	35.2
125	15.2	11.1	16.7

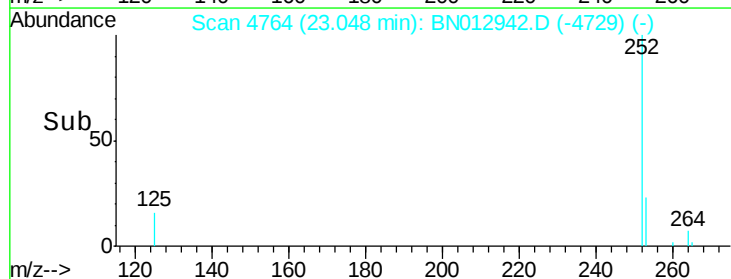
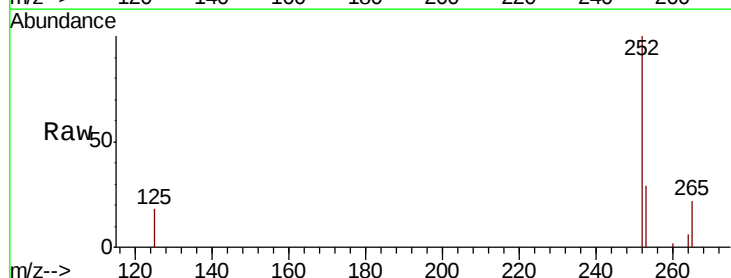
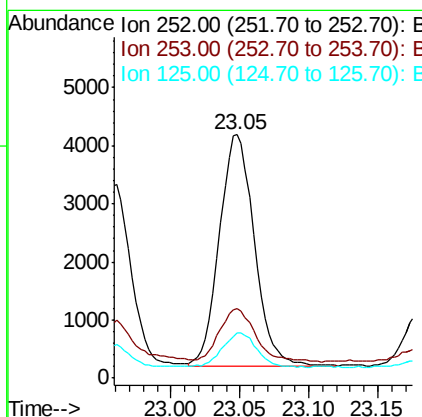
Manual Integrations
APPROVED

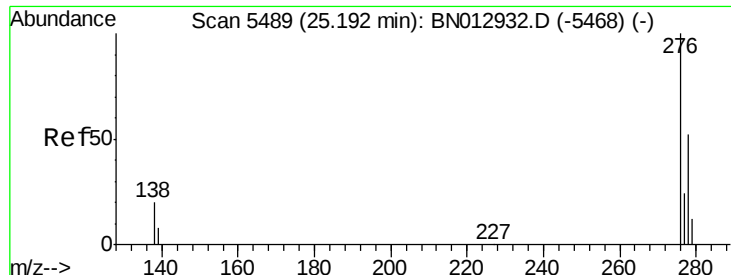
mohammad
12/9/2020 12:21:14 PM



#23
Benzo(a)pyrene
Concen: 0.434 ng/ul
RT: 23.05 min Scan# 4764
Delta R.T. 0.00 min
Lab File: BN012942.D
Acq: 07 Dec 2020 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	26.5	39.7
125	18.4	14.2	21.2





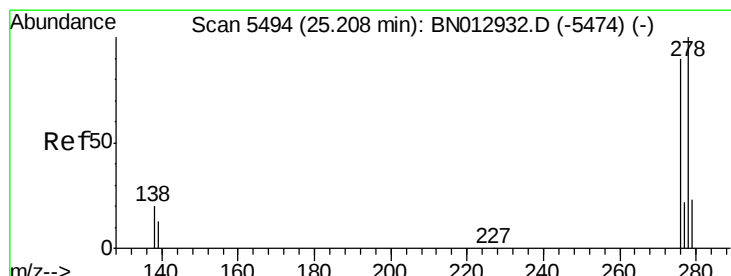
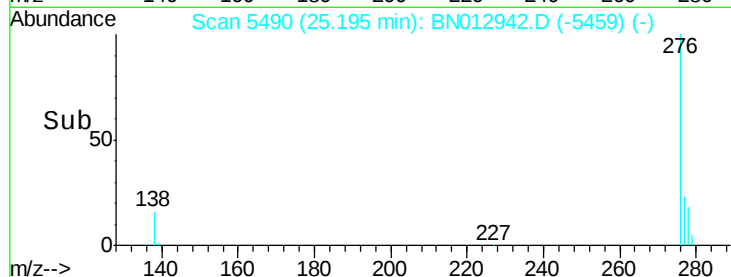
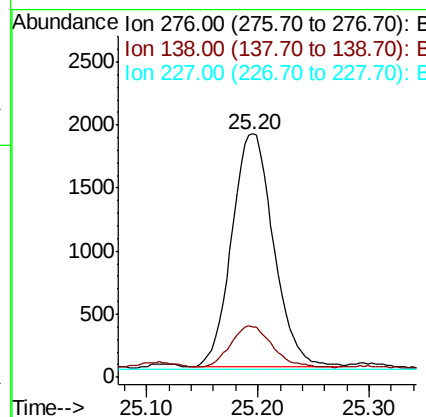
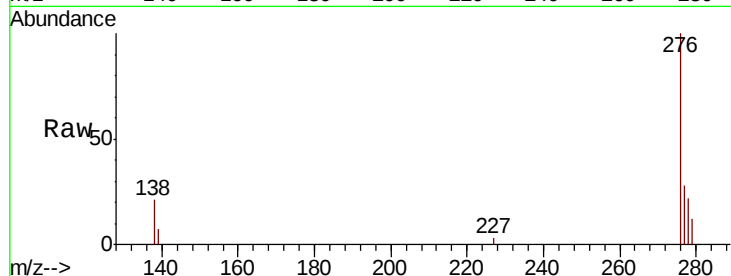
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.229 ng/ul
RT: 25.20 min Scan# 5490
Delta R.T. 0.00 min
Lab File: BN012942.D
Acq: 07 Dec 2020 16:54

Instrument :
BNA_N
ClientSampleId :
C0B26DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	16.2	24.2
227	0.1	0.0	0.0

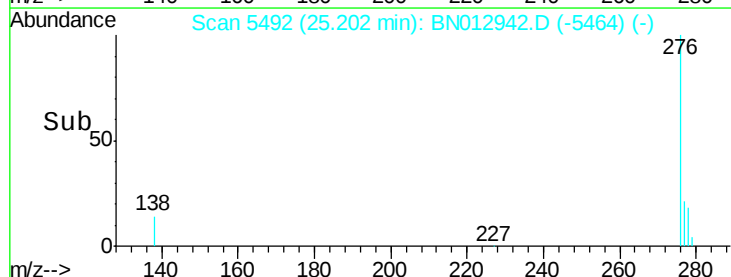
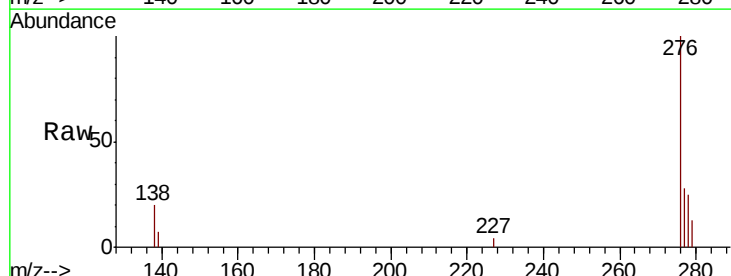
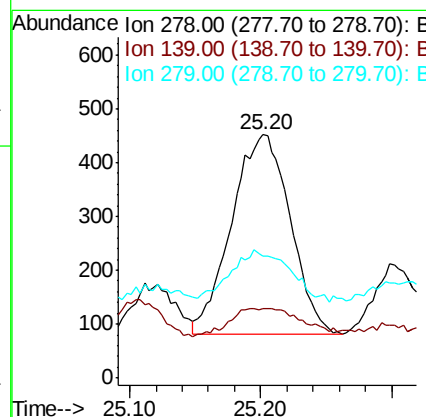
Manual Integrations
APPROVED

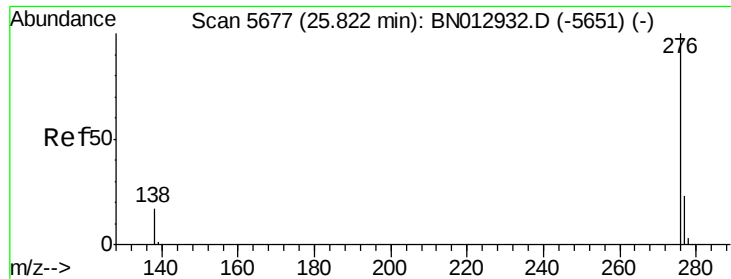
mohammad
12/9/2020 12:21:14 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 25.20 min Scan# 5492
Delta R.T. -0.01 min
Lab File: BN012942.D
Acq: 07 Dec 2020 16:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	14.5	21.7
279	50.2	26.3	39.5





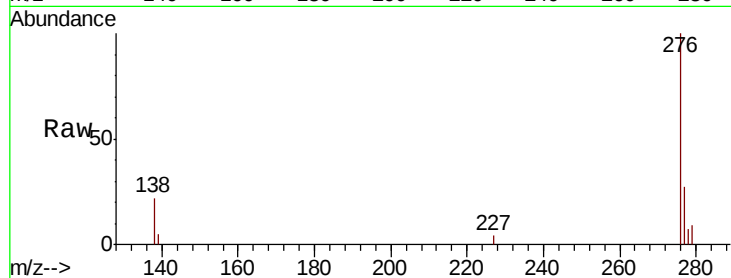
#26
 Benzo(a,h,i)perylene
 Concen: 0.225 ng/ul
 RT: 25.82 min Scan# 5677
 Delta R.T. 0.00 min
 Lab File: BN012942.D
 Acq: 07 Dec 2020 16:54

Instrument :
 BNA_N
 ClientSampleId :
 C0B26DL

Tot Ion:	276	Resp:	4316
Ion Ratio	Lower	Upper	
276	100		
138	22.4	16.3	24.5
277	26.7	21.8	32.6

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:21:14 PM



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

