

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\
 Data File : BN011374.D
 Acq On : 06 Aug 2020 12:00
 Operator : CG/JU
 Sample : L3419-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AG7

Manual Integrations
 APPROVED

mohammad
 8/7/2020 1:52:56 PM

Quant Time: Aug 06 12:34:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	1169	0.40	ng/ul	0.00
2) Naphthalene-d8	10.20	136	3758	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.09	164	2117	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.84	188	4733	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	5215	0.40	ng/ul	0.00
20) Perylene-d12	23.17	264	5507	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	1095	0.12	ng/ul	0.00
14) Fluoranthene-d10	18.88	212	2848	0.12	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.25	128	267	0.024	ng/ul#	48
7) Acenaphthylene	13.80	152	5934	0.587	ng/ul	99
8) Acenaphthene	14.15	153	373	0.046	ng/ul	94
9) Fluorene	15.15	166	455	0.048	ng/ul#	90
12) Phenanthrene	16.88	178	11299	0.721	ng/ul	99
13) Anthracene	16.97	178	6004	0.439	ng/ul	98
15) Fluoranthene	18.91	202	43202	2.234	ng/ul	99
17) Pyrene	19.28	202	45823	1.935	ng/ul	96
18) Benzo(a)anthracene	21.04	228	22141	1.105	ng/ul	96
19) Chrysene	21.10	228	58592	2.551	ng/ul	98
21) Benzo(b)fluoranthene	22.56	252	156536m	6.810	ng/ul	
22) Benzo(k)fluoranthene	22.59	252	54344m	2.109	ng/ul	
23) Benzo(a)pyrene	23.08	252	63453	3.176	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.24	276	187748	8.938	ng/ul	92
25) Dibenzo(a,h)anthracene	25.24	278	39695	2.373	ng/ul	93
26) Benzo(a,h,i)perylene	25.87	276	340021	17.916	ng/ul	97

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

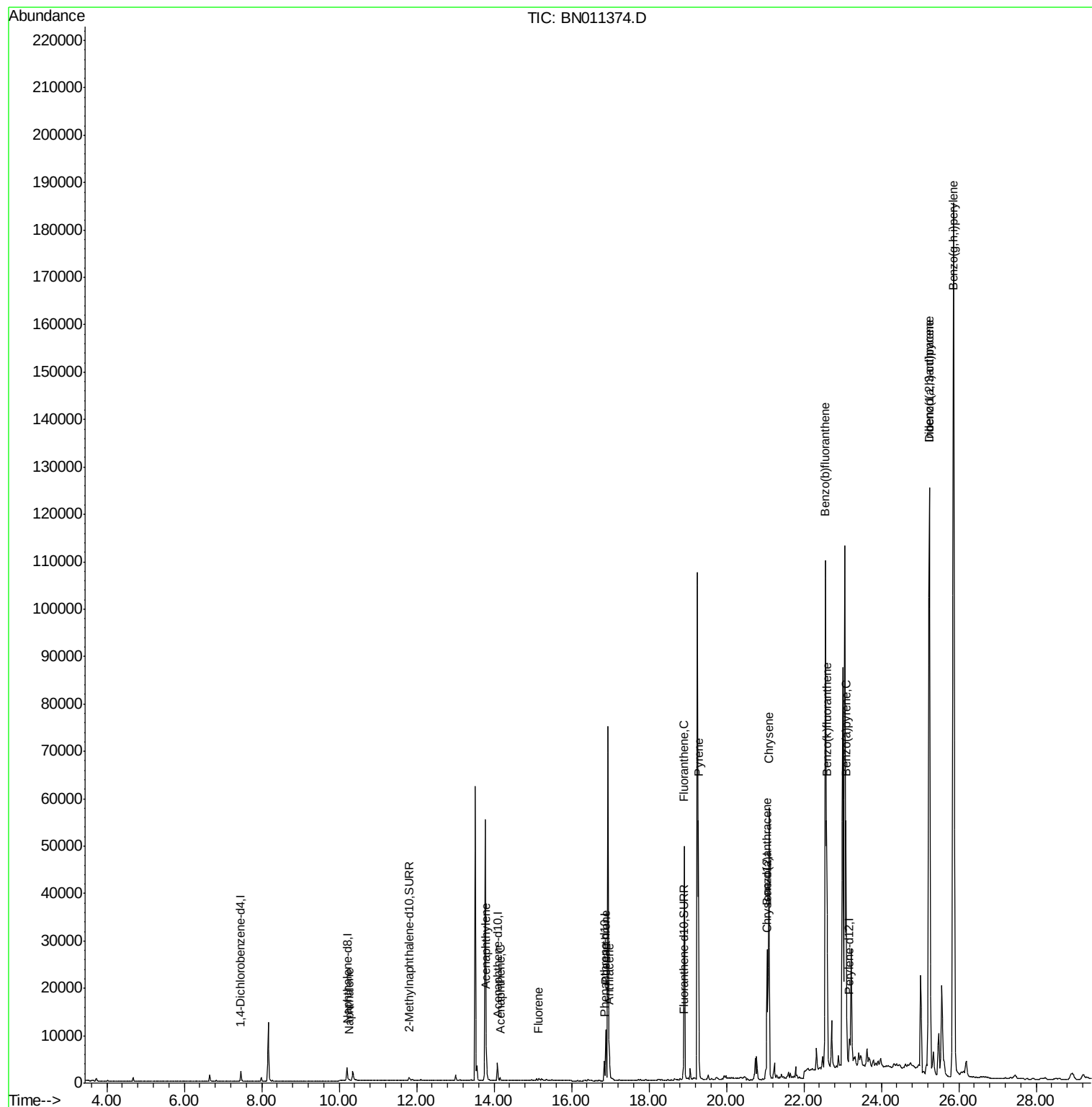
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\
Data File : BN011374.D
Acq On : 06 Aug 2020 12:00
Operator : CG/JU
Sample : L3419-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

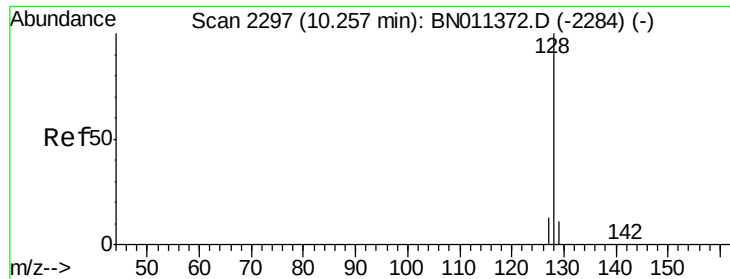
Instrument :
BNA_N
ClientSampleId :
C0AG7

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 PM

Quant Time: Aug 06 12:34:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:09:32 2020
Response via : Initial Calibration





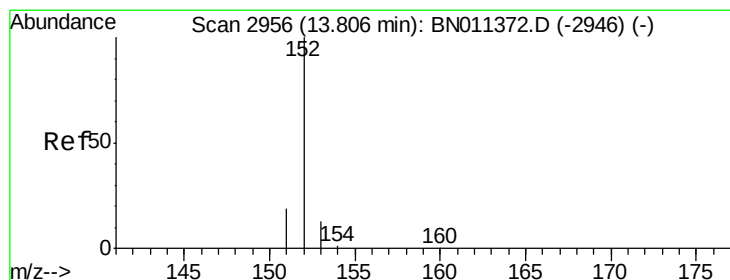
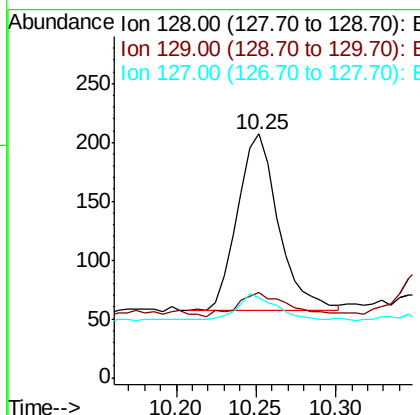
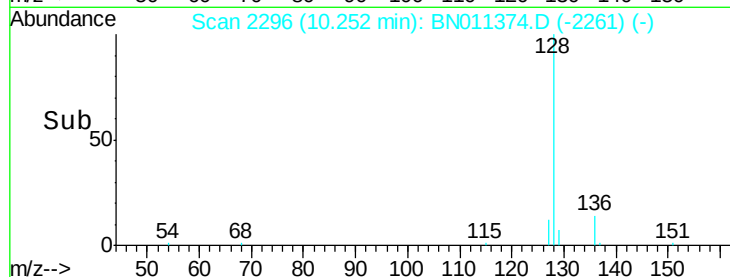
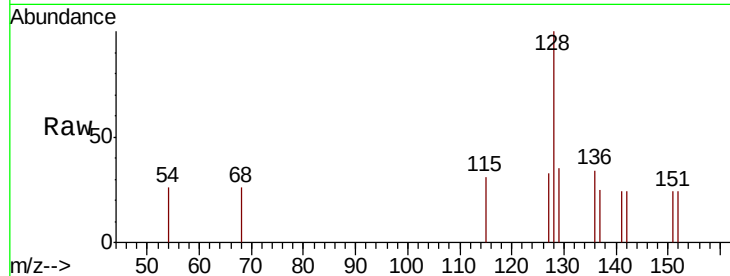
#3
Naphthalene
Concen: 0.024 ng/ul
RT: 10.25 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BN011374.D
Acq: 06 Aug 2020 12:00

Instrument :
BNA_N
ClientSampled :
C0AG7

Tot Ion	Ratio	Lower	Upper
128	100		
129	34.8	9.6	14.4#
127	32.9	11.2	16.8#

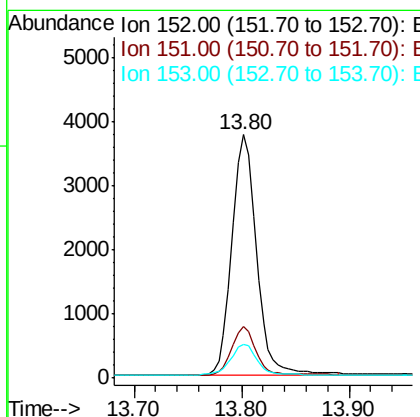
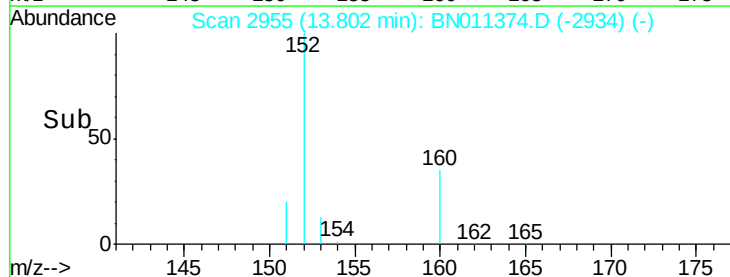
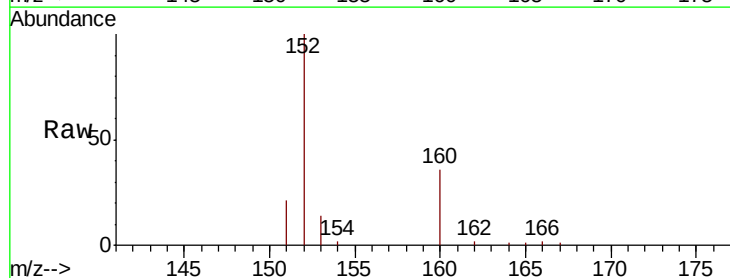
Manual Integrations
APPROVED

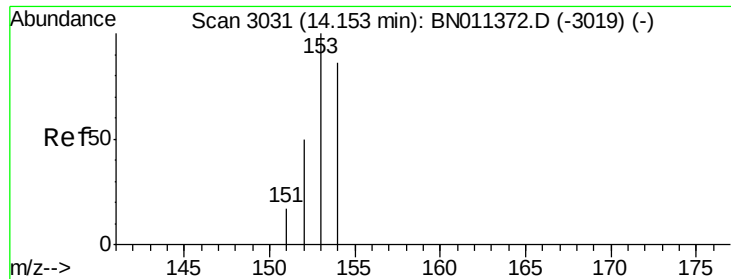
mohammad
8/7/2020 1:52:56 PM



#7
Acenaphthylene
Concen: 0.587 ng/ul
RT: 13.80 min Scan# 2955
Delta R.T. -0.00 min
Lab File: BN011374.D
Acq: 06 Aug 2020 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.1	25.7
153	13.9	11.4	17.0





#8

Acenaphthene

Concen: 0.046 ng/ul

RT: 14.15 min Scan# 3031

Delta R.T. -0.00 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Instrument :

BNA_N

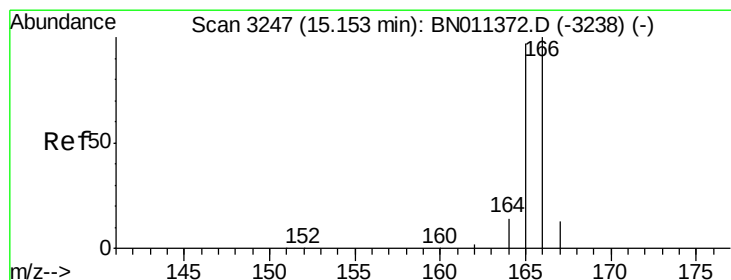
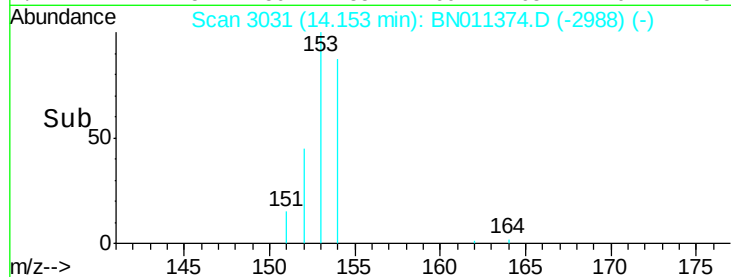
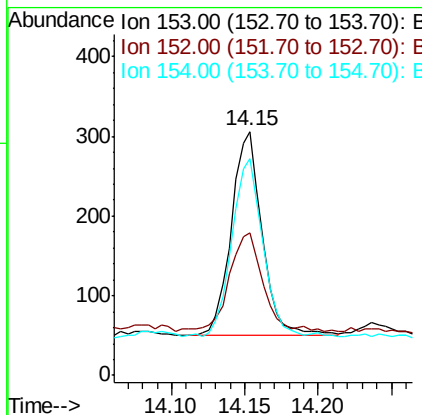
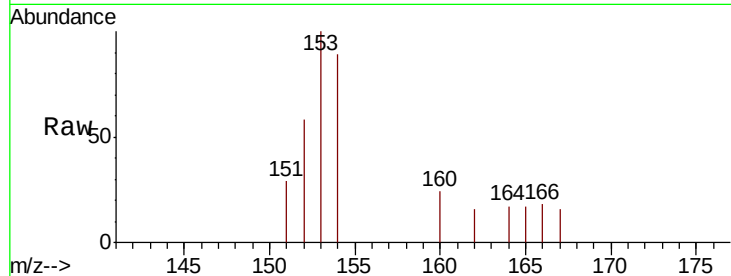
ClientSampleId :

C0AG7

Tot Ion:	153	Resp:	373
Ion	Ratio	Lower	Upper
153	100		
152	58.5	40.5	60.7
154	88.9	69.5	104.3

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 PM



#9

Fluorene

Concen: 0.048 ng/ul

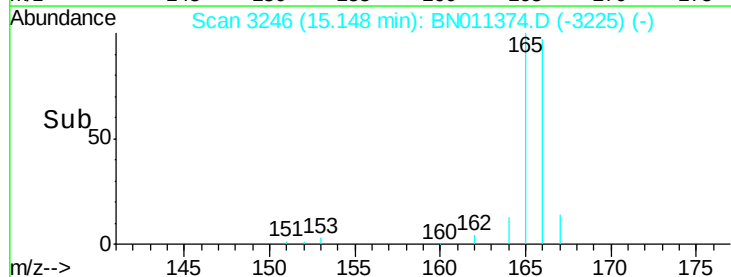
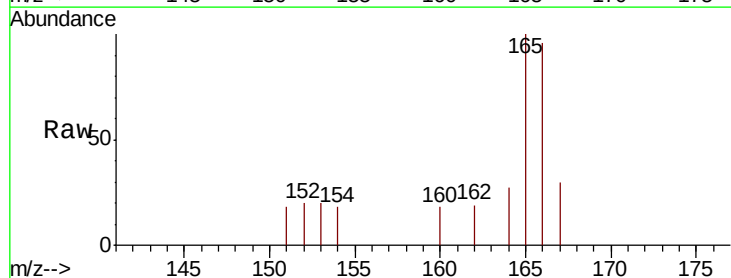
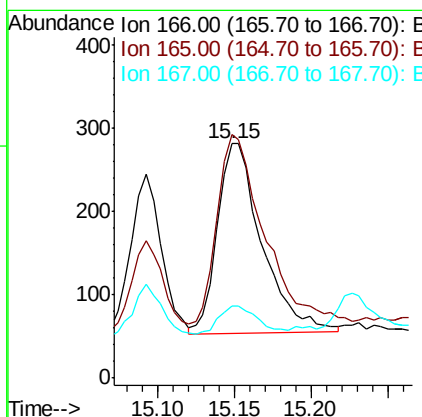
RT: 15.15 min Scan# 3246

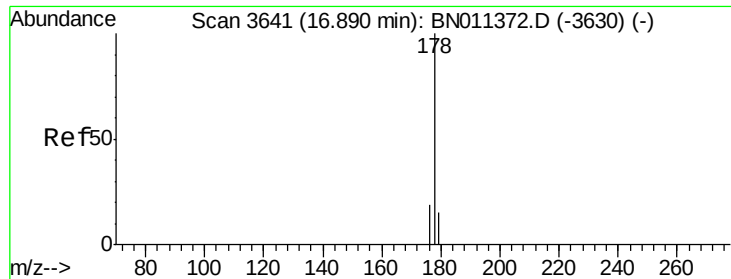
Delta R.T. -0.00 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Tgt Ion:	166	Resp:	455
Ion	Ratio	Lower	Upper
166	100		
165	103.9	78.8	118.2
167	31.0	12.1	18.1#





#12

Phenanthrene

Concen: 0.721 ng/ul

RT: 16.88 min Scan# 3639

Delta R.T. -0.01 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Instrument :

BNA_N

ClientSampled :

C0AG7

Tot Ion:178 Resp: 11299

Ion Ratio Lower Upper

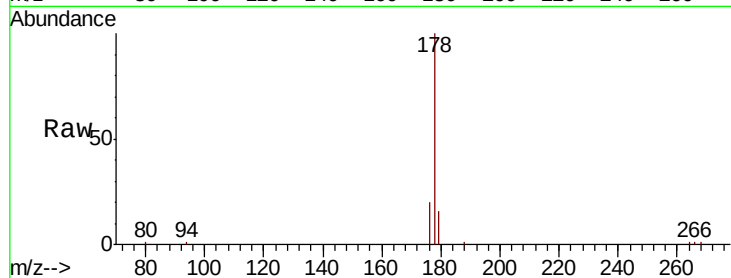
178 100

179 16.1 12.6 18.8

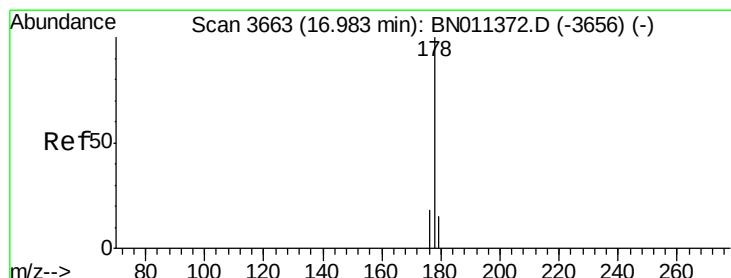
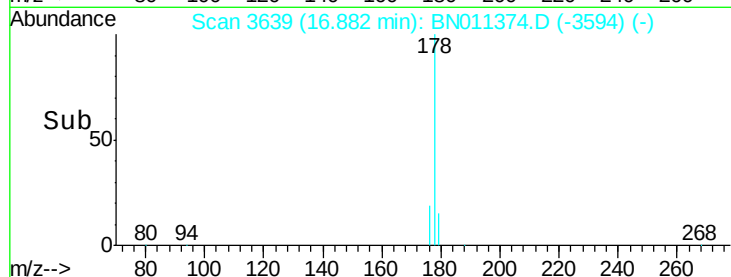
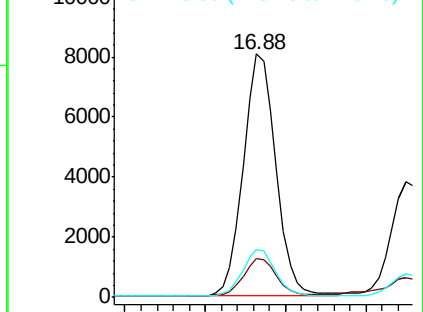
176 19.9 15.7 23.5

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 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



#13

Anthracene

Concen: 0.439 ng/ul

RT: 16.97 min Scan# 3661

Delta R.T. -0.01 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

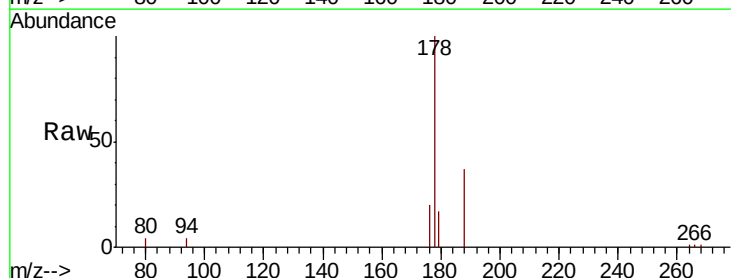
Tgt Ion:178 Resp: 6004

Ion Ratio Lower Upper

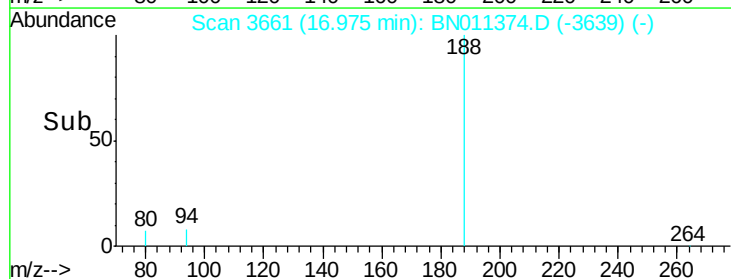
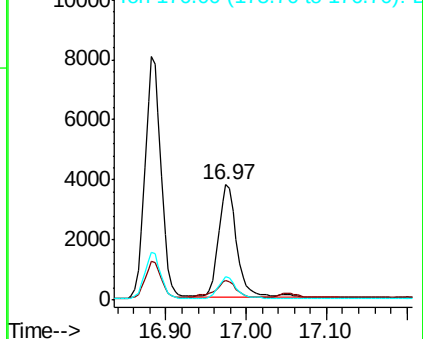
178 100

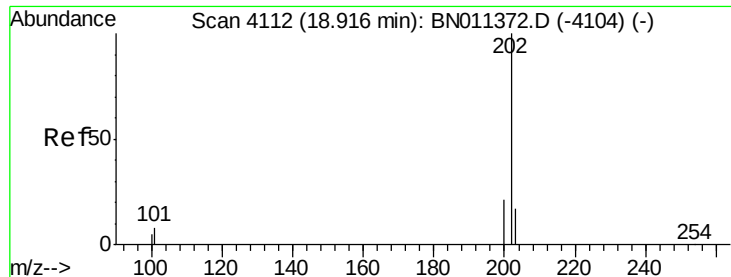
179 16.8 13.1 19.7

176 19.8 14.8 22.2



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: 2.234 ng/ul

RT: 18.91 min Scan# 4111

Delta R.T. -0.00 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Instrument :

BNA_N

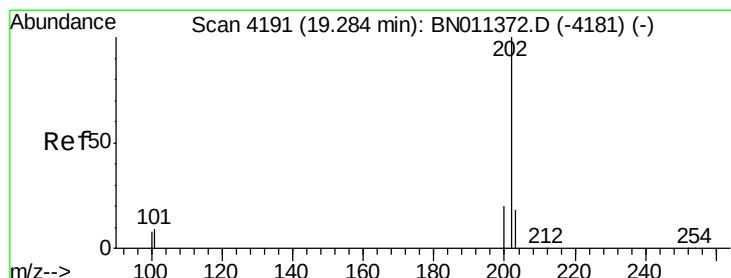
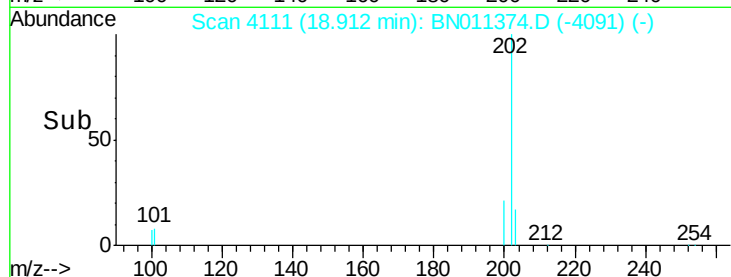
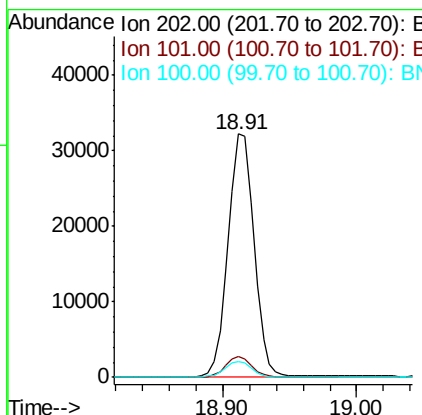
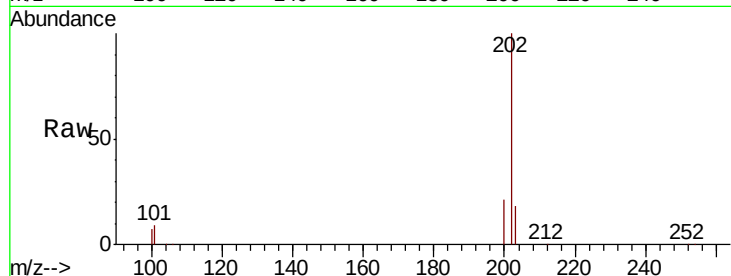
ClientSampleId :

C0AG7

Tot Ion:	202	Resp:	43202
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	28.2
100	6.7	0.0	26.8

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 PM



#17

Pyrene

Concen: 1.935 ng/ul

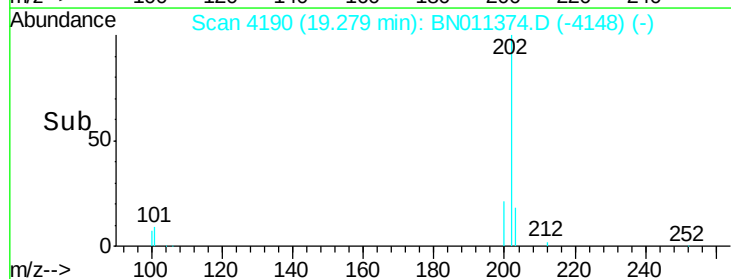
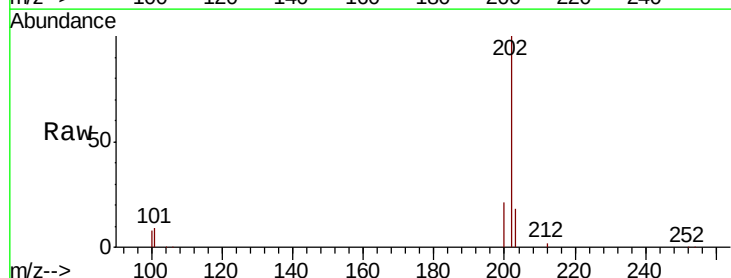
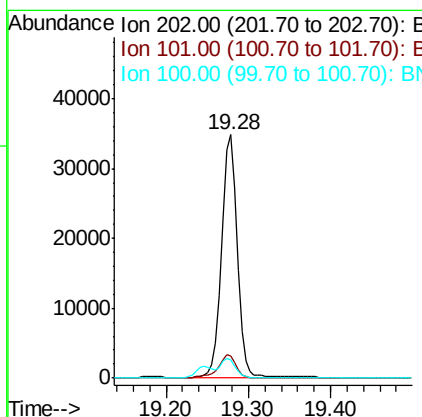
RT: 19.28 min Scan# 4190

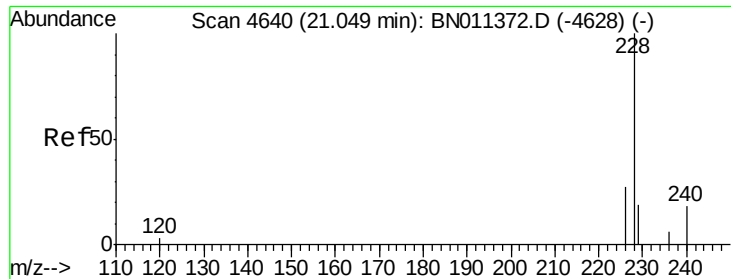
Delta R.T. -0.00 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Tgt Ion:	202	Resp:	45823
Ion Ratio	Lower	Upper	
202	100		
101	9.2	8.5	12.7
100	7.6	7.1	10.7





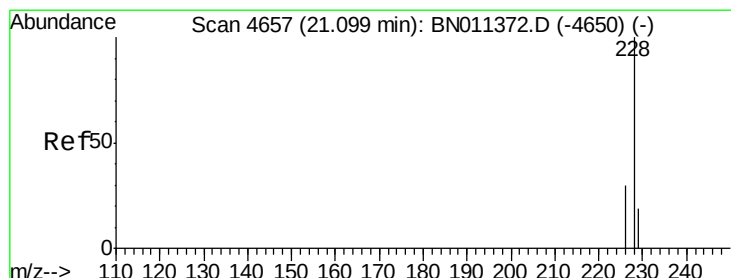
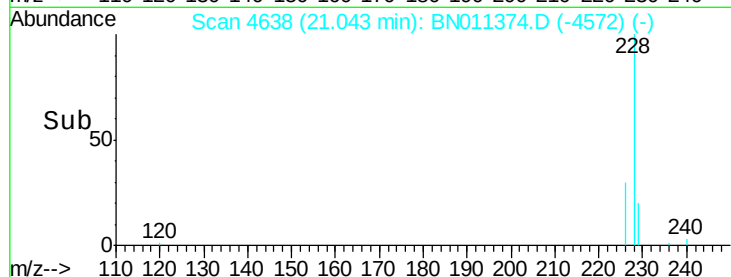
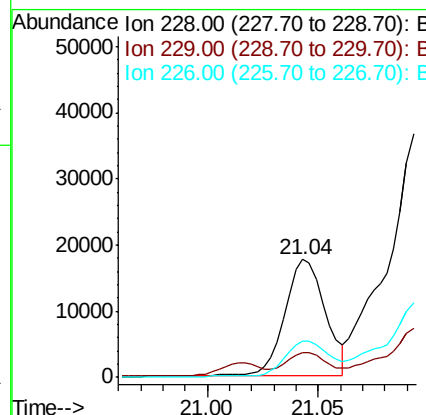
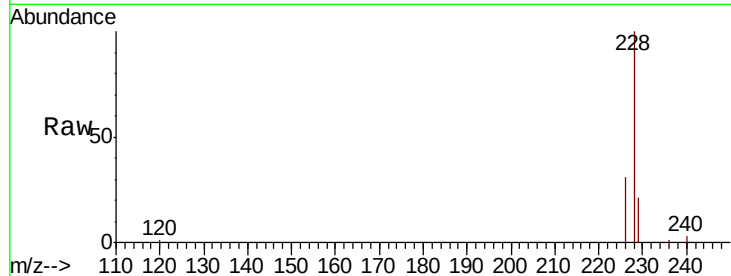
#18
Benzo(a)anthracene
Concen: 1.105 ng/ul
RT: 21.04 min Scan# 4638
Delta R.T. -0.01 min
Lab File: BN011374.D
Acq: 06 Aug 2020 12:00

Instrument :
BNA_N
ClientSampleId :
C0AG7

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.1	24.1
226	30.7	22.2	33.2

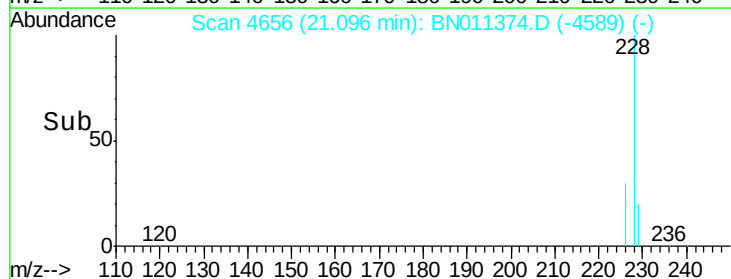
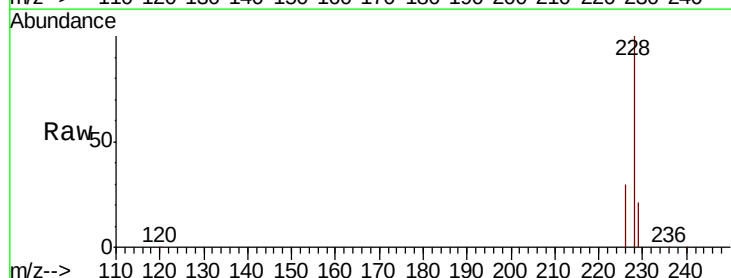
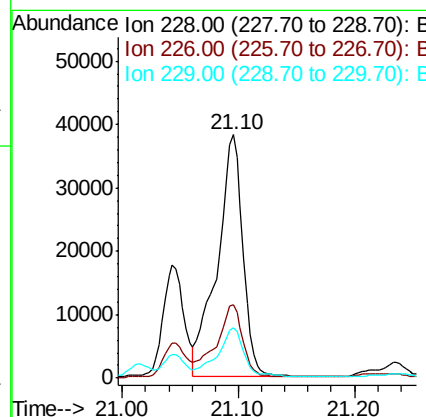
Manual Integrations
APPROVED

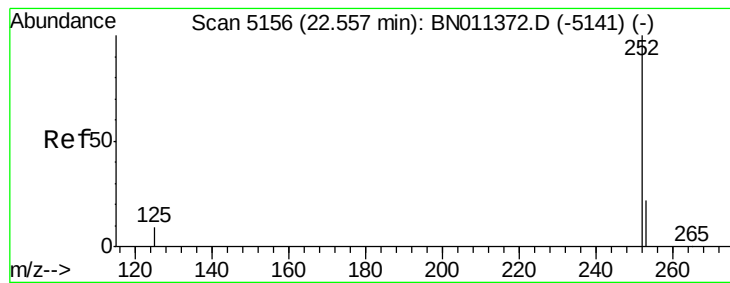
mohammad
8/7/2020 1:52:56 PM



#19
Chrysene
Concen: 2.551 ng/ul
RT: 21.10 min Scan# 4656
Delta R.T. -0.00 min
Lab File: BN011374.D
Acq: 06 Aug 2020 12:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	20.6	15.8	23.6





#21

Benzo(b)fluoranthene

Concen: 6.810 ng/ul m

RT: 22.56 min Scan# 5156

Delta R.T. -0.00 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Instrument :

BNA_N

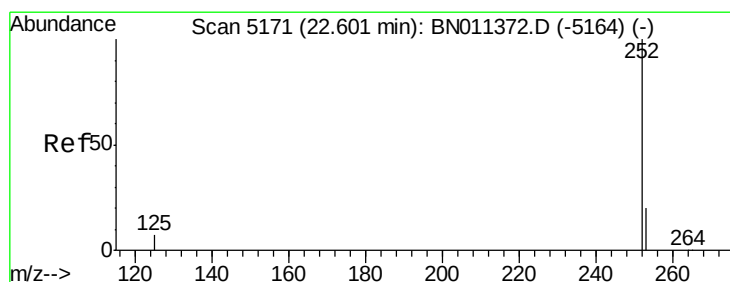
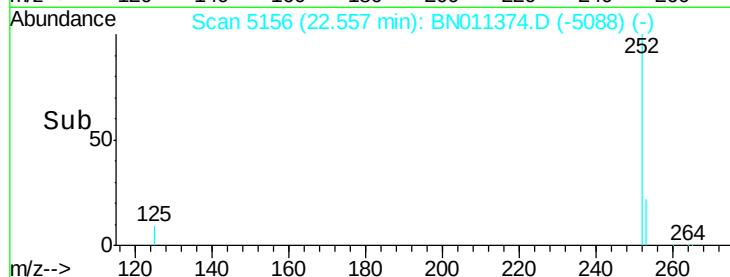
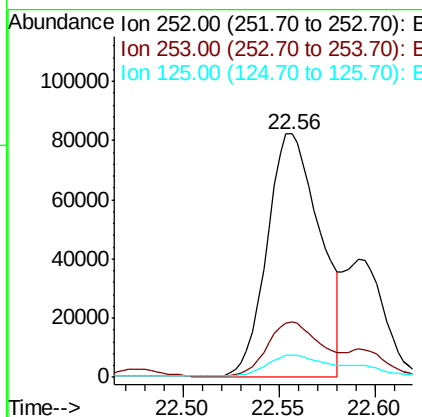
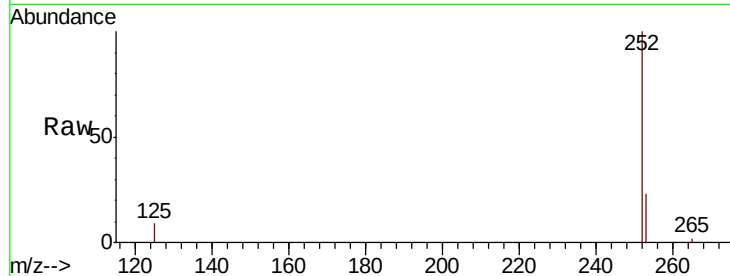
ClientSampleId :

C0AG7

Tot Ion:	252	Resp:	156536
Ion Ratio	Lower	Upper	
252	100		
253	22.7	0.0	51.8
125	9.1	0.0	24.2

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 PM



#22

Benzo(k)fluoranthene

Concen: 2.109 ng/ul m

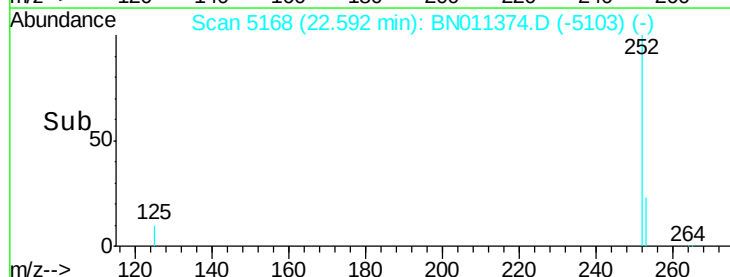
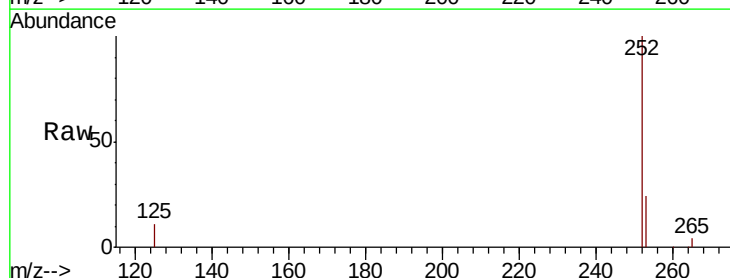
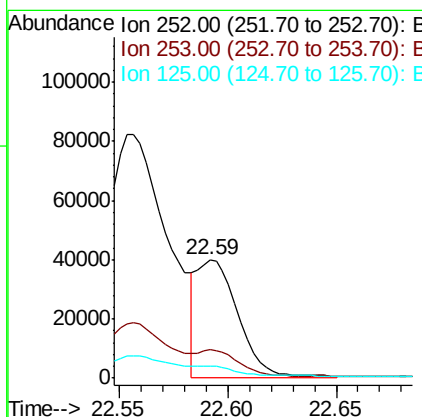
RT: 22.59 min Scan# 5168

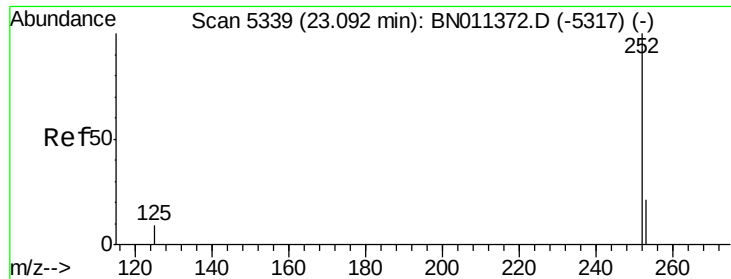
Delta R.T. -0.01 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Tgt Ion:	252	Resp:	54344
Ion Ratio	Lower	Upper	
252	100		
253	23.7	21.4	32.0
125	10.6	12.6	18.8#





#23

Benzo(a)pyrene

Concen: 3.176 ng/ul

RT: 23.08 min Scan# 5336

Delta R.T. -0.01 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Instrument :

BNA_N

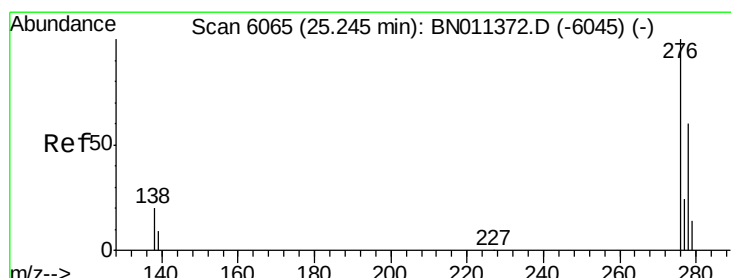
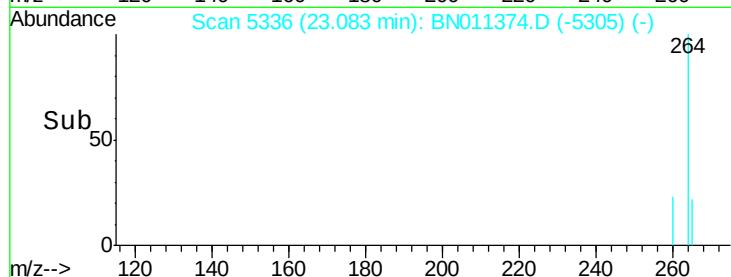
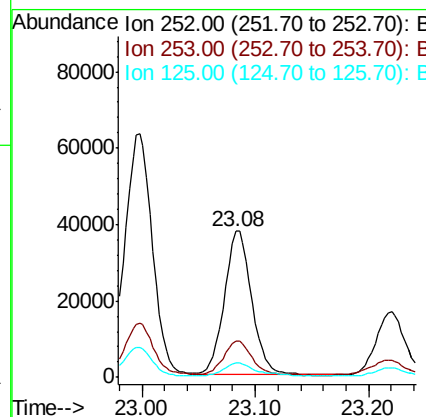
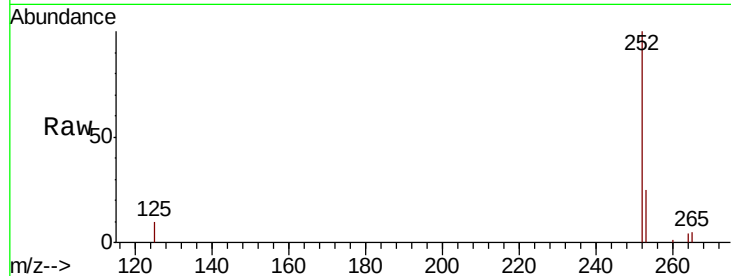
ClientSampleId :

C0AG7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	22.6	34.0
125	9.9	12.6	18.8

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 8.938 ng/ul

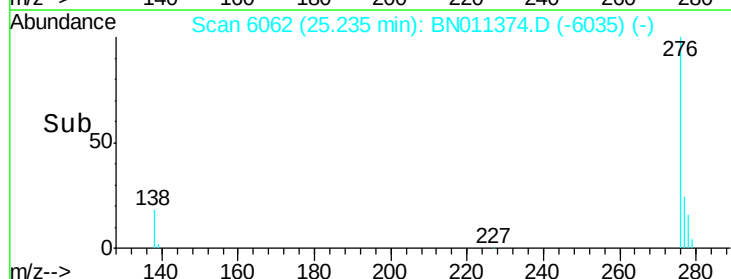
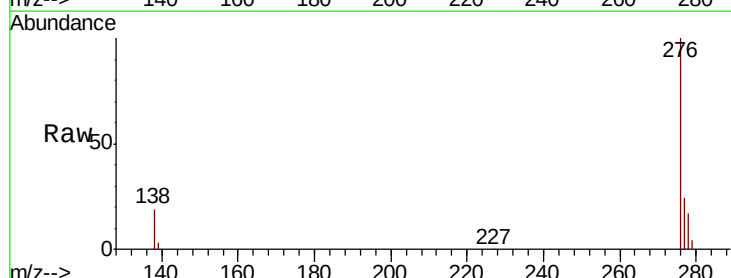
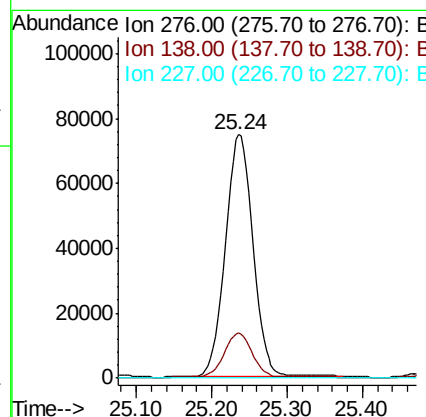
RT: 25.24 min Scan# 6062

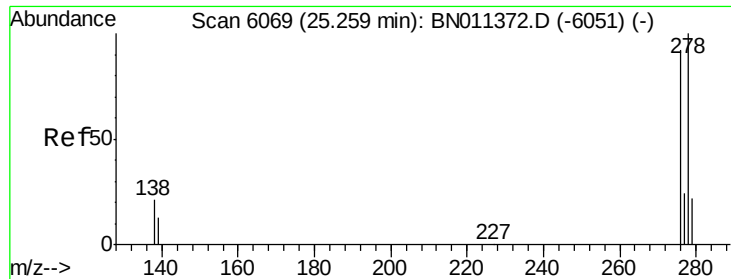
Delta R.T. -0.01 min

Lab File: BN011374.D

Acq: 06 Aug 2020 12:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.1	27.1
227	0.4	0.2	0.4





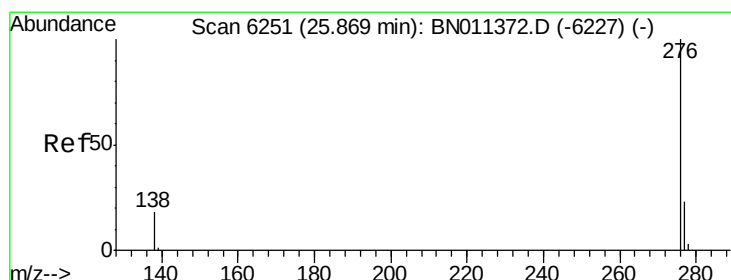
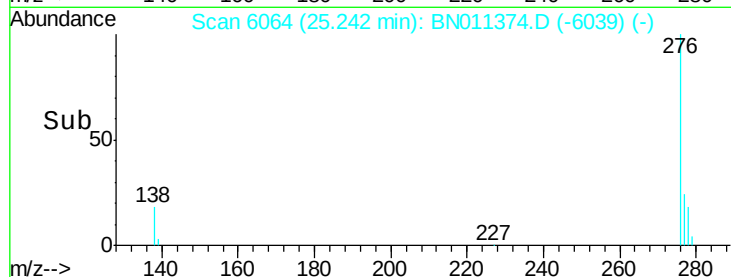
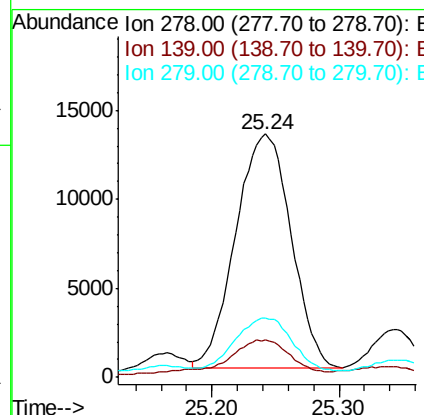
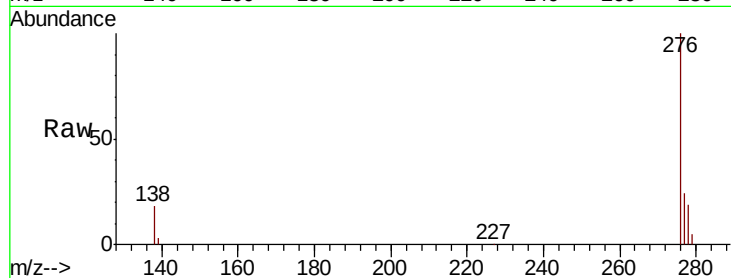
#25
Dibenzo(a,h)anthracene
Concen: 2.373 ng/ul
RT: 25.24 min Scan# 6064
Delta R.T. -0.02 min
Lab File: BN011374.D
Acq: 06 Aug 2020 12:00

Instrument :
BNA_N
ClientSampleId :
C0AG7

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.0	21.0
279	24.2	22.9	34.3

Manual Integrations
APPROVED

mohammad
8/7/2020 1:52:56 PM



#26
Benzo(g,h,i)perylene
Concen: 17.916 ng/ul
RT: 25.87 min Scan# 6250
Delta R.T. -0.00 min
Lab File: BN011374.D
Acq: 06 Aug 2020 12:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.4	24.6
277	23.7	20.2	30.4

