

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012672.D
 Acq On : 20 Nov 2020 23:03
 Operator : CG/JU
 Sample : L4710-22
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AY7

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:56:26 AM

Quant Time: Nov 21 01:26:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 00:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	1185	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	4771	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2667	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	5418	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	4598	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	4413	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	1247	0.18	ng/ul	-0.01
14) Fluoranthene-d10	18.89	212	2750	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.26	128	1085	0.076	ng/ul#	90
5) 2-Methylnaphthalene	11.89	142	928	0.101	ng/ul	98
7) Acenaphthylene	13.82	152	3839	0.295	ng/ul	99
8) Acenaphthene	14.16	153	849	0.077	ng/ul	96
9) Fluorene	15.16	166	1681	0.140	ng/ul#	99
12) Phenanthrene	16.89	178	33126	1.757	ng/ul	96
13) Anthracene	16.98	178	5496	0.335	ng/ul	98
15) Fluoranthene	18.92	202	63936	2.938	ng/ul	99
17) Pyrene	19.29	202	63431	3.084	ng/ul	97
18) Benzo(a)anthracene	21.05	228	30643	1.860	ng/ul	99
19) Chrysene	21.10	228	37358	1.815	ng/ul	98
21) Benzo(b)fluoranthene	22.56	252	51716m	2.547	ng/ul	
22) Benzo(k)fluoranthene	22.59	252	18180m	0.777	ng/ul	
23) Benzo(a)pyrene	23.09	252	34123	1.786	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.26	276	26206	1.049	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.27	278	6241	0.311	ng/ul#	86
26) Benzo(a,h,i)perylene	25.90	276	25315	1.126	ng/ul	96

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

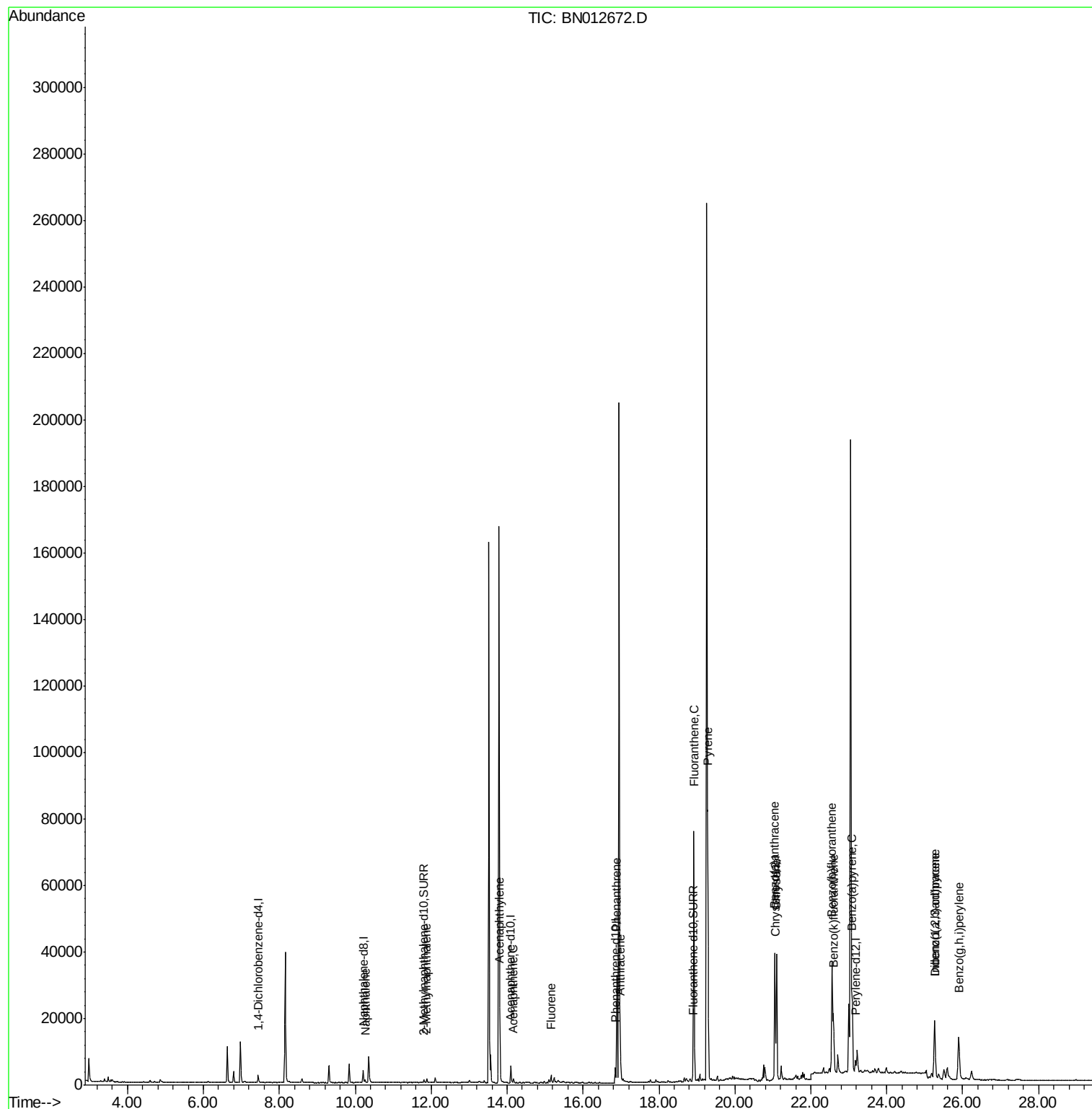
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
Data File : BN012672.D
Acq On : 20 Nov 2020 23:03
Operator : CG/JU
Sample : L4710-22
Misc :
ALS Vial : 19 Sample Multiplier: 1

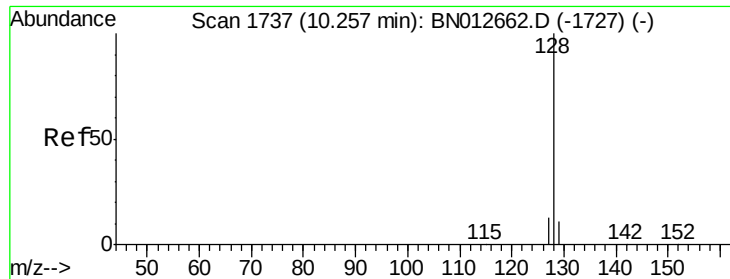
Instrument :
BNA_N
ClientSampleId :
C0AY7

Manual Integrations
APPROVED

mohammad
11/24/2020 8:56:26 AM

Quant Time: Nov 21 01:26:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 21 00:16:07 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.076 ng/ul

RT: 10.26 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Instrument :

BNA_N

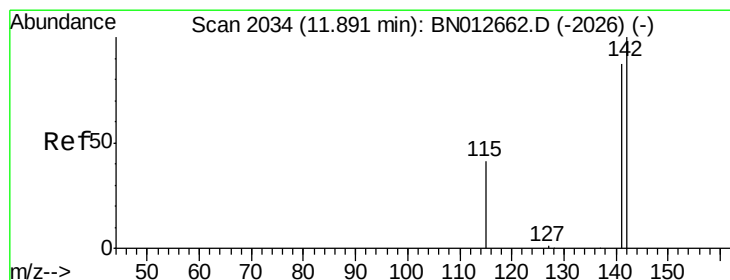
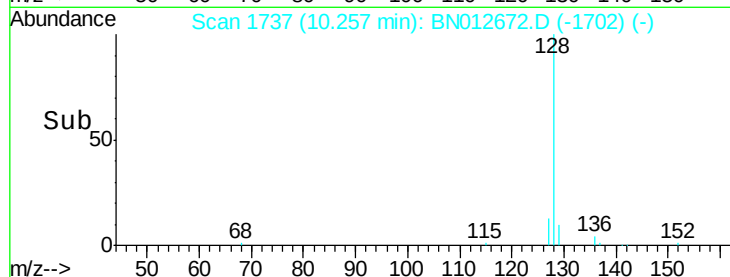
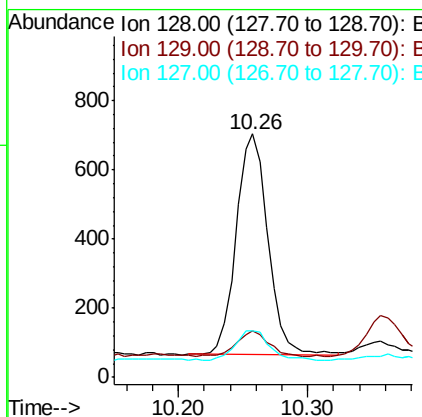
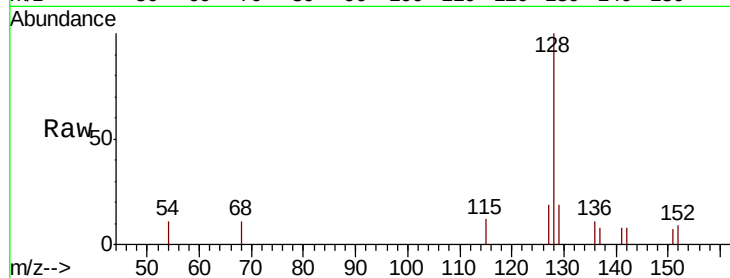
ClientSampleId :

C0AY7

Tot Ion:	128	Resp:	1085
Ion Ratio	Lower	Upper	
128	100		
129	19.2	11.2	16.8#
127	19.2	12.5	18.7#

Manual Integrations
APPROVED

mohammad
11/24/2020 8:56:26 AM



#5

2-Methylnaphthalene

Concen: 0.101 ng/ul

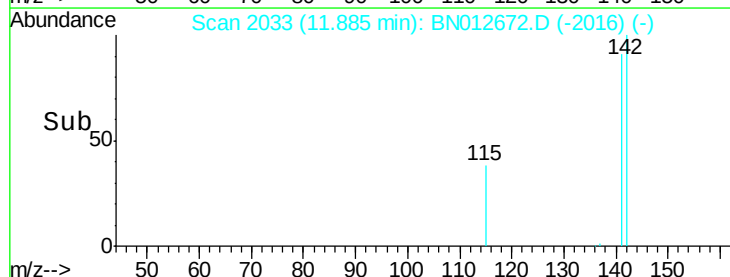
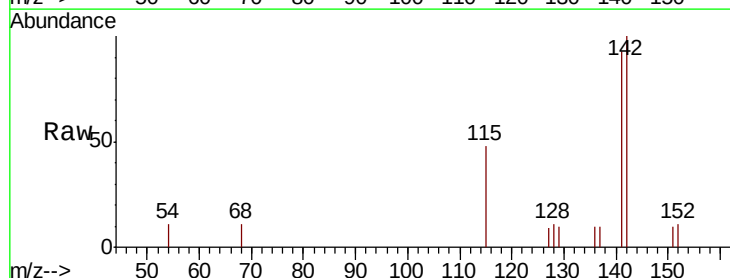
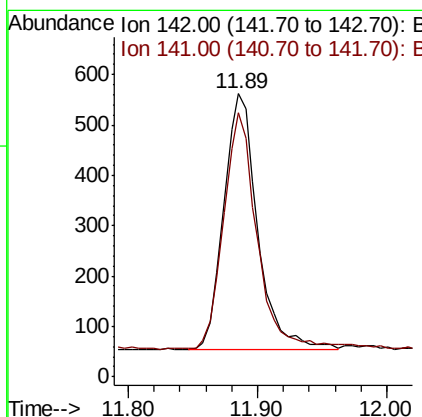
RT: 11.89 min Scan# 2033

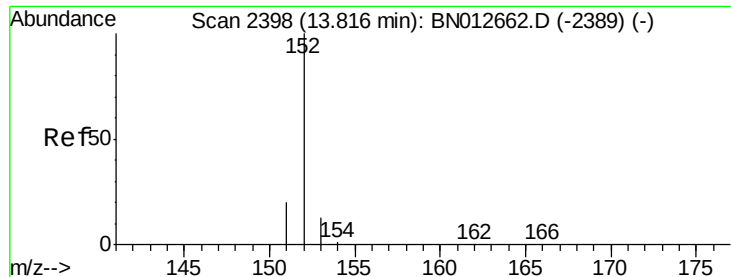
Delta R.T. -0.01 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Tgt Ion:	142	Resp:	928
Ion Ratio	Lower	Upper	
142	100		
141	92.5	72.3	108.5





#7

Acenaphthylene

Concen: 0.295 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Instrument :

BNA_N

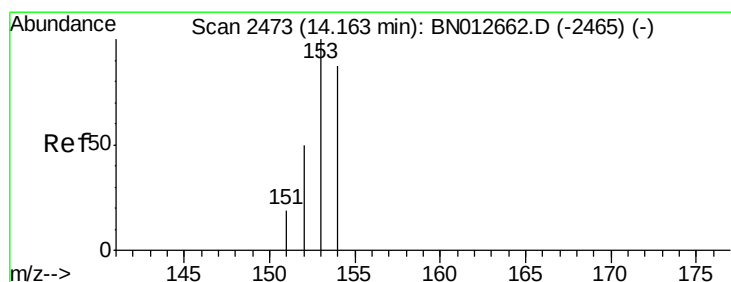
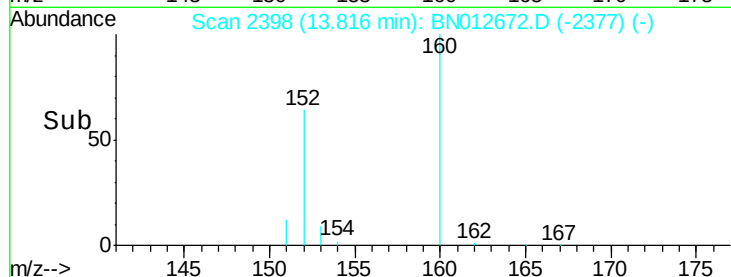
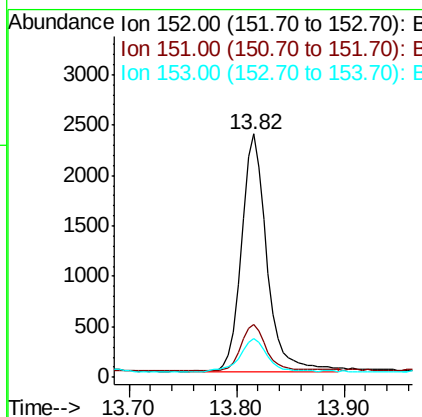
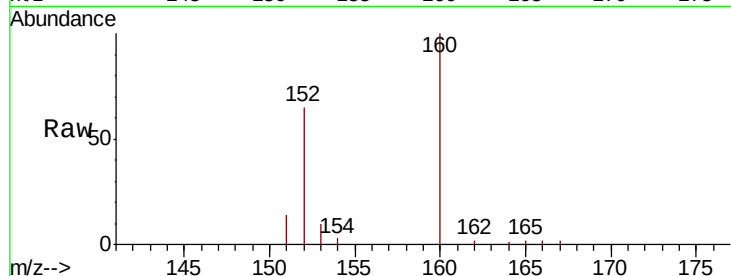
ClientSampleId :

C0AY7

Tot Ion:	152	Resp:	3839
Ion Ratio	Lower	Upper	
152	100		
151	21.6	17.1	25.7
153	16.1	12.6	19.0

Manual Integrations
APPROVED

mohammad
11/24/2020 8:56:26 AM



#8

Acenaphthene

Concen: 0.077 ng/ul

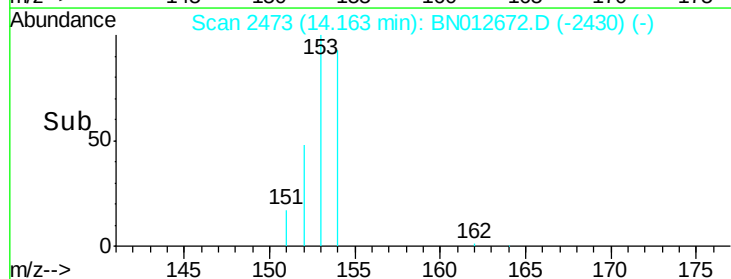
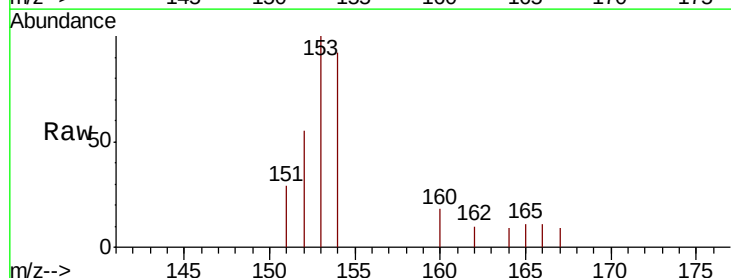
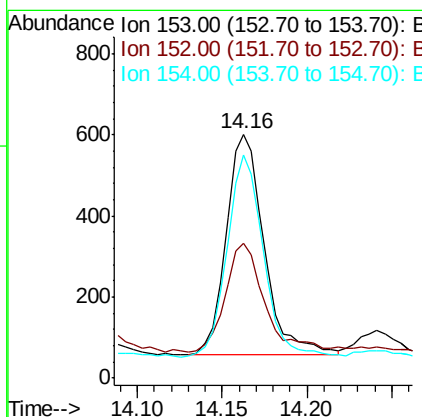
RT: 14.16 min Scan# 2473

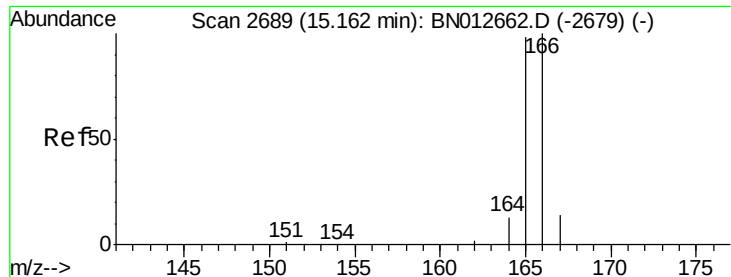
Delta R.T. 0.00 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Tgt Ion:	153	Resp:	849
Ion Ratio	Lower	Upper	
153	100		
152	55.2	41.4	62.0
154	91.5	70.9	106.3





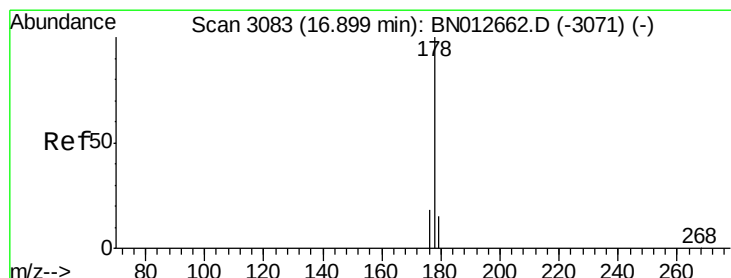
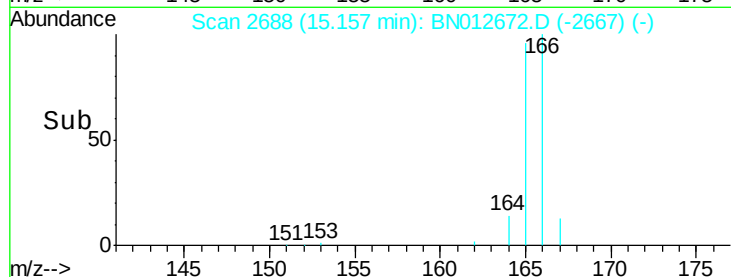
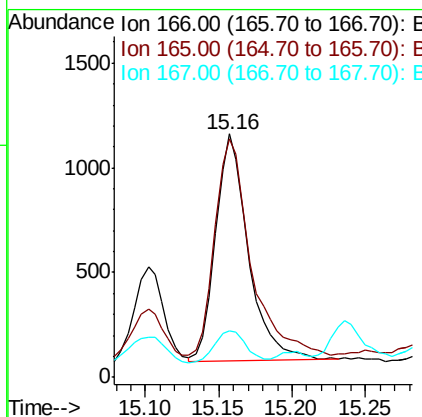
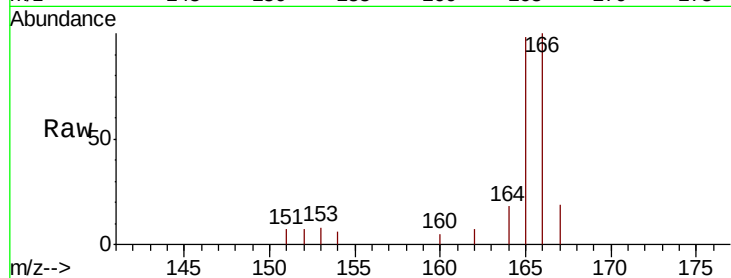
#9
Fluorene
 Concen: 0.140 ng/ul
 RT: 15.16 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: BN012672.D
 Acq: 20 Nov 2020 23:03

Instrument :
 BNA_N
 ClientSampled :
 C0AY7

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.5	117.7
167	19.3	12.7	19.1

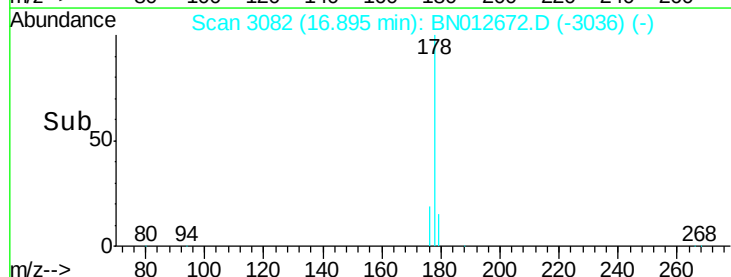
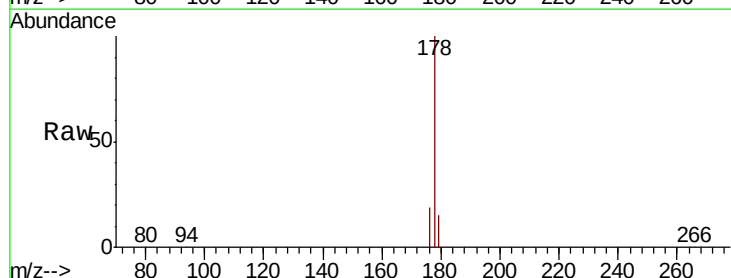
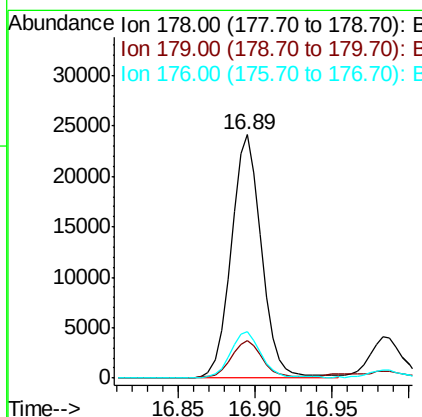
Manual Integrations
 APPROVED

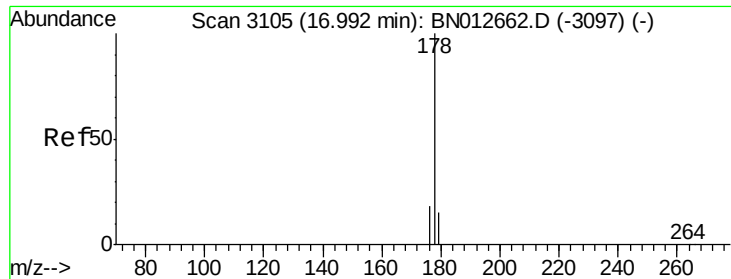
mohammad
 11/24/2020 8:56:26 AM



#12
Phenanthrene
 Concen: 1.757 ng/ul
 RT: 16.89 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: BN012672.D
 Acq: 20 Nov 2020 23:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.8	20.6
176	18.8	16.7	25.1





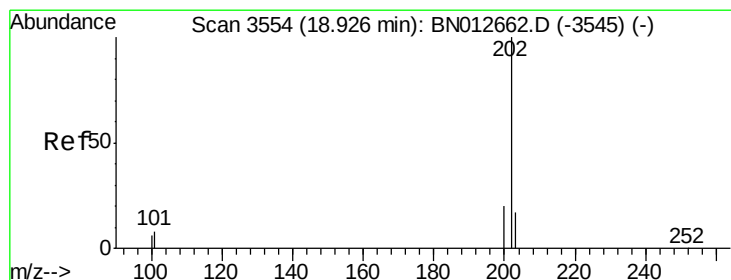
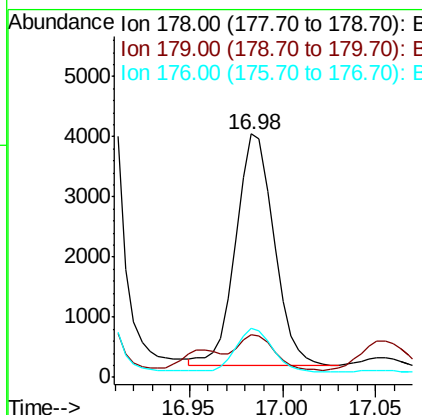
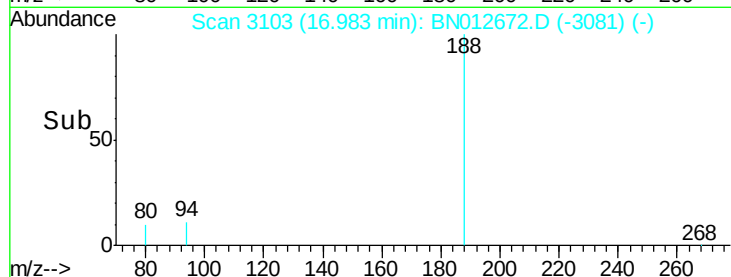
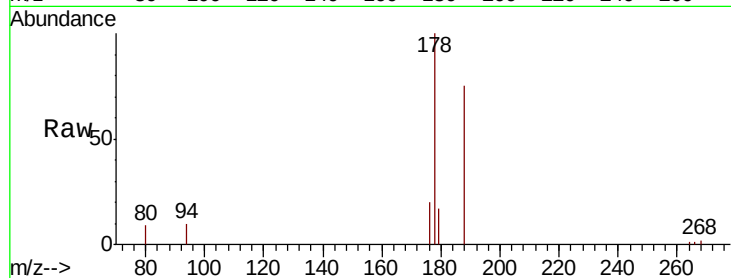
#13
 Anthracene
 Concen: 0.335 ng/ul
 RT: 16.98 min Scan# 3103
 Delta R.T. -0.01 min
 Lab File: BN012672.D
 Acq: 20 Nov 2020 23:03

Instrument :
 BNA_N
 ClientSampleId :
 C0AY7

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.5	14.8	22.2
176	19.9	16.3	24.5

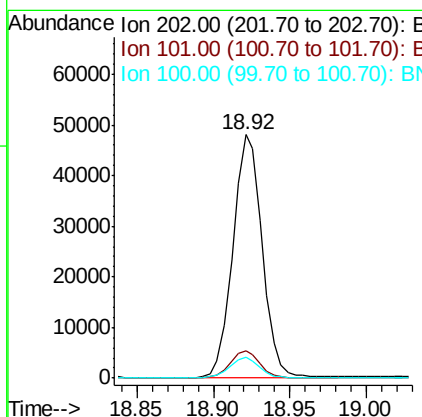
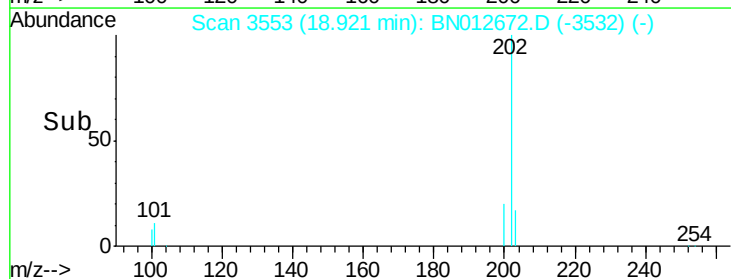
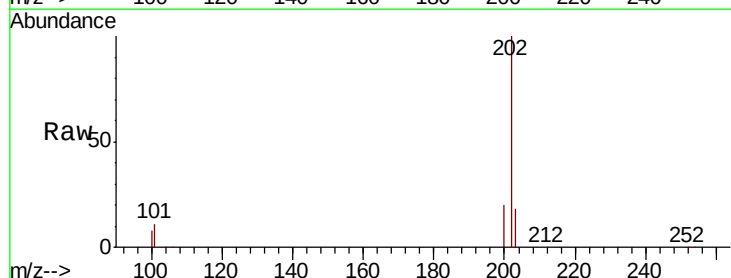
Manual Integrations
 APPROVED

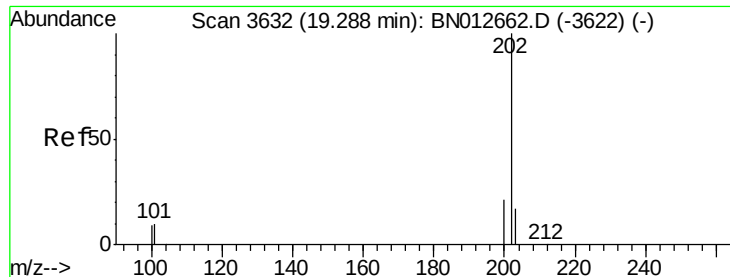
mohammad
 11/24/2020 8:56:26 AM



#15
 Fluoranthene
 Concen: 2.938 ng/ul
 RT: 18.92 min Scan# 3553
 Delta R.T. -0.00 min
 Lab File: BN012672.D
 Acq: 20 Nov 2020 23:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.5
100	8.5	0.0	28.4





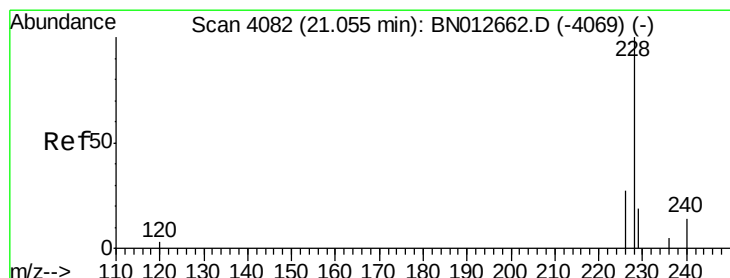
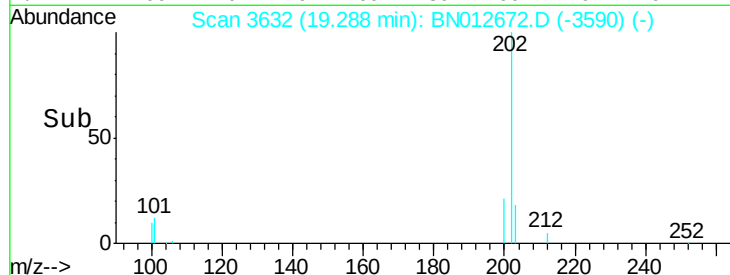
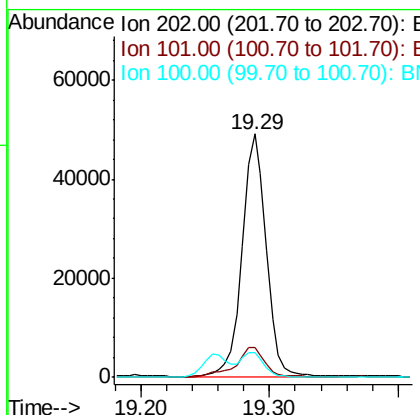
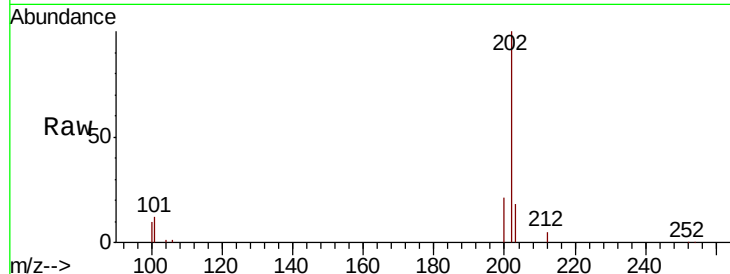
#17
Pvrene
Concen: 3.084 ng/ul
RT: 19.29 min Scan# 3632
Delta R.T. -0.00 min
Lab File: BN012672.D
Acq: 20 Nov 2020 23:03

Instrument :
BNA_N
ClientSampleId :
C0AY7

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.9	13.3
100	10.2	7.4	11.2

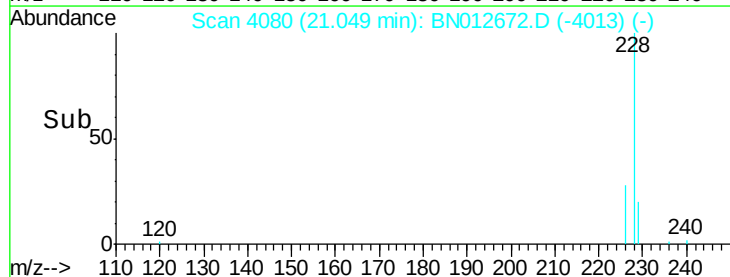
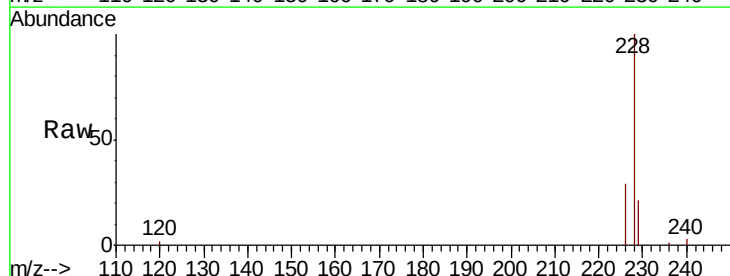
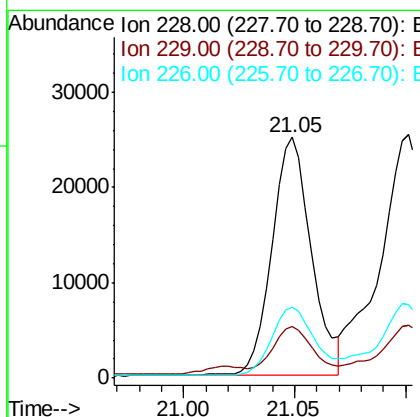
Manual Integrations
APPROVED

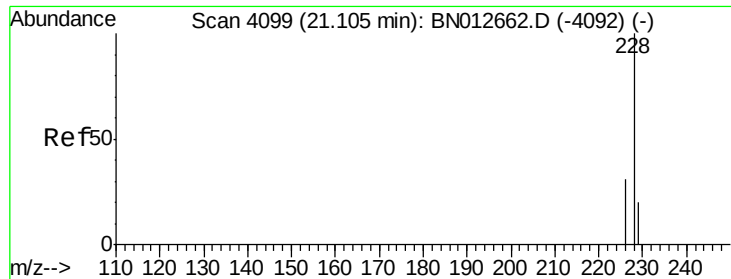
mohammad
11/24/2020 8:56:26 AM



#18
Benzo(a)anthracene
Concen: 1.860 ng/ul
RT: 21.05 min Scan# 4080
Delta R.T. -0.00 min
Lab File: BN012672.D
Acq: 20 Nov 2020 23:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.9	25.3
226	29.5	23.1	34.7





#19

Chrysene

Concen: 1.815 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Instrument :

BNA_N

ClientSampleId :

C0AY7

Tot Ion:228 Resp: 37358

Ion Ratio Lower Upper

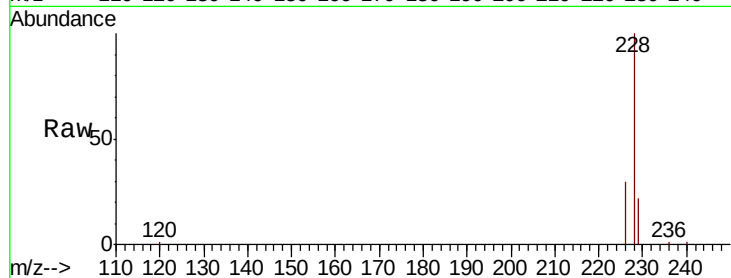
228 100

226 30.0 24.4 36.6

229 21.6 16.1 24.1

Manual Integrations
APPROVED

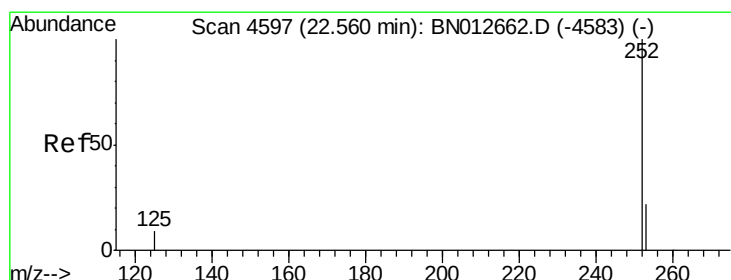
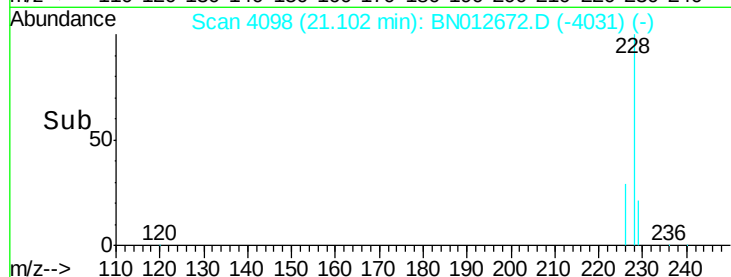
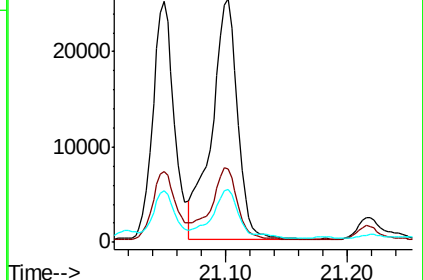
mohammad
11/24/2020 8:56:26 AM



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: 2.547 ng/ul m

RT: 22.56 min Scan# 4596

Delta R.T. -0.00 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

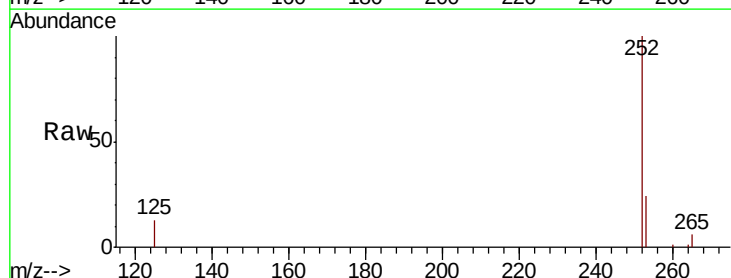
Tgt Ion:252 Resp: 51716

Ion Ratio Lower Upper

252 100

253 23.6 0.0 58.4

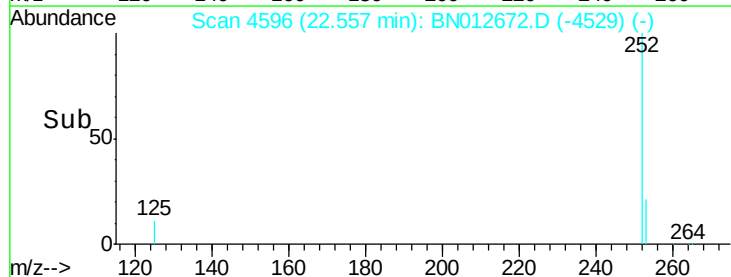
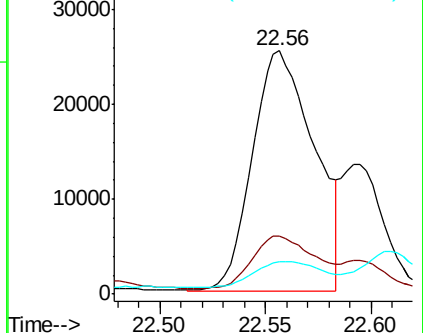
125 13.1 0.0 28.6

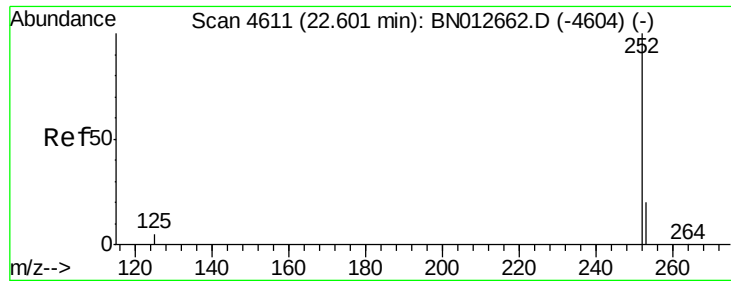


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.777 ng/ul

RT: 22.59 min Scan# 4608

Delta R.T. -0.01 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Instrument :

BNA_N

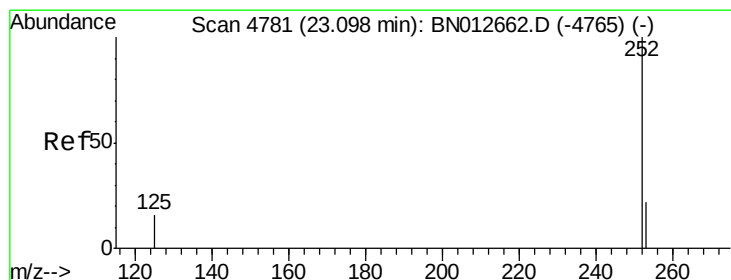
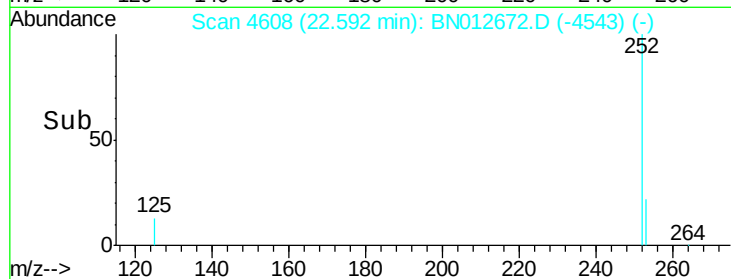
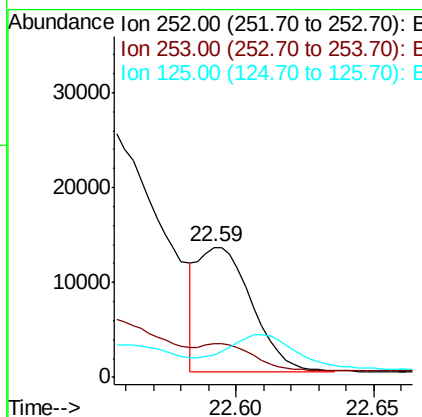
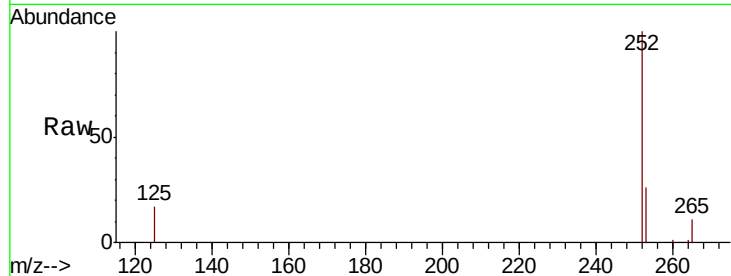
ClientSampleId :

C0AY7

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	23.4	35.2
125	17.3	10.2	15.2

Manual Integrations
APPROVED

mohammad
11/24/2020 8:56:26 AM



#23

Benzo(a)pyrene

Concen: 1.786 ng/ul

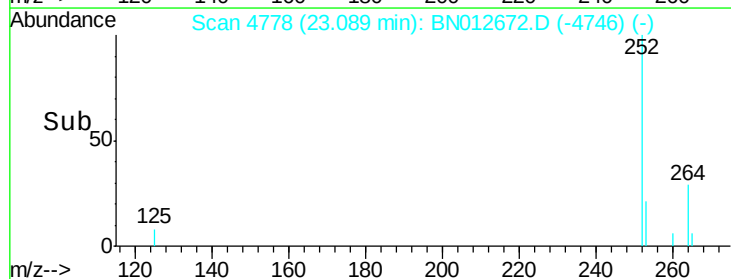
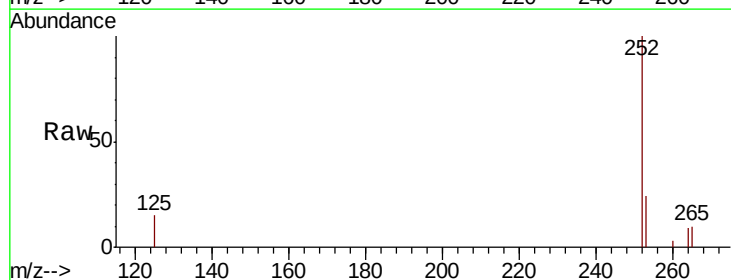
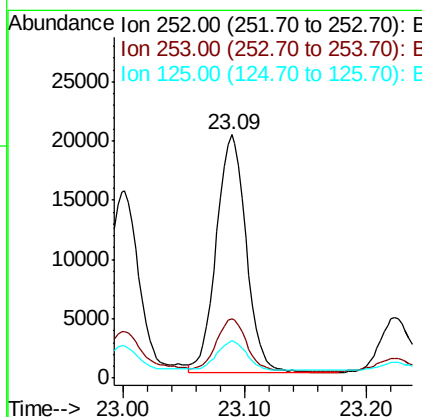
RT: 23.09 min Scan# 4778

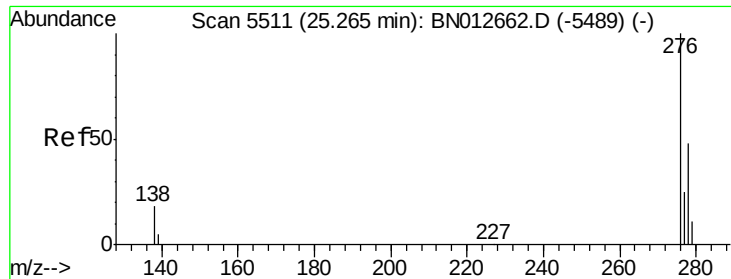
Delta R.T. -0.01 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	27.6	41.4
125	15.2	17.0	25.4





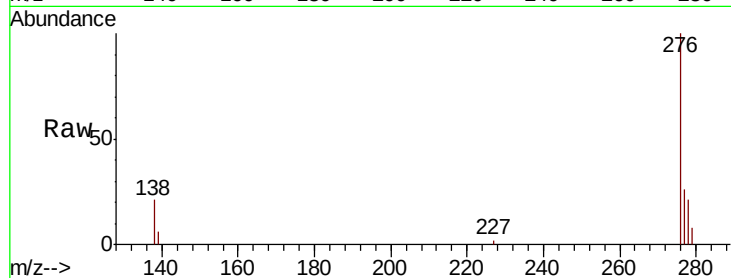
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.049 ng/ul
 RT: 25.26 min Scan# 5509
 Delta R.T. -0.01 min
 Lab File: BN012672.D
 Acq: 20 Nov 2020 23:03

Instrument :
 BNA_N
 ClientSampled :
 C0AY7

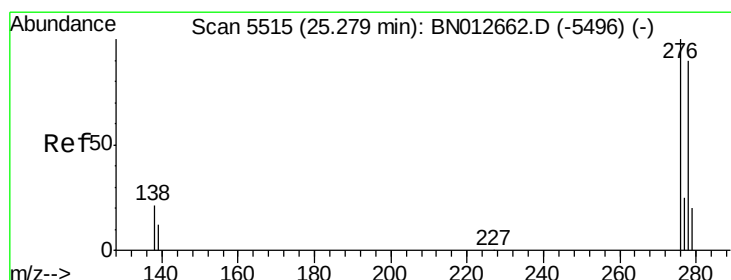
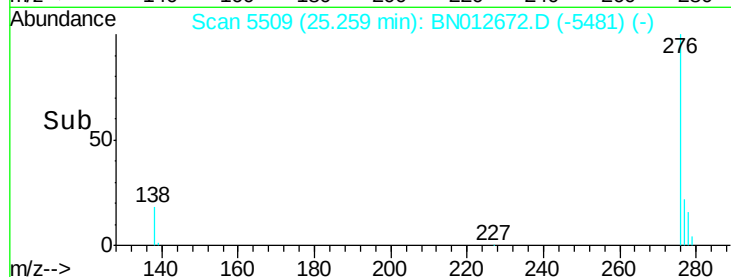
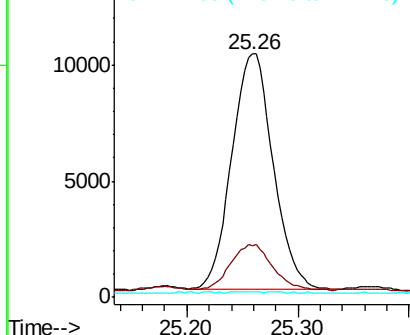
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.5	24.7
227	0.0	0.1	0.1#

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:56:26 AM



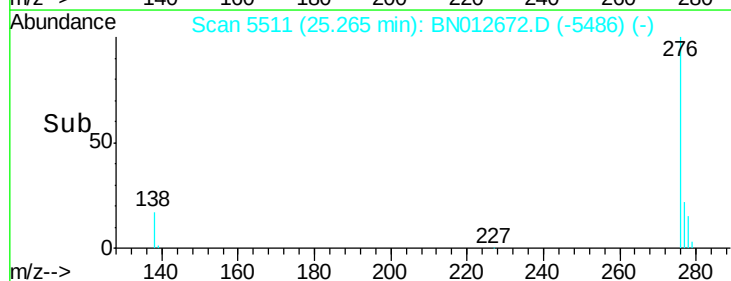
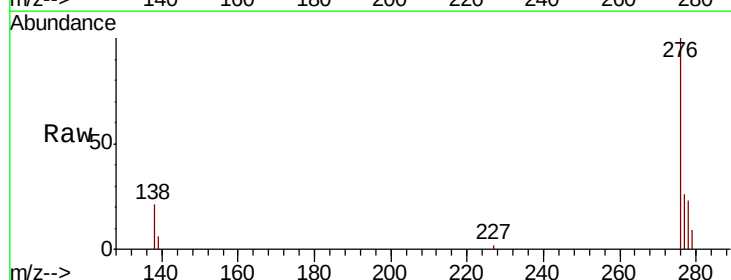
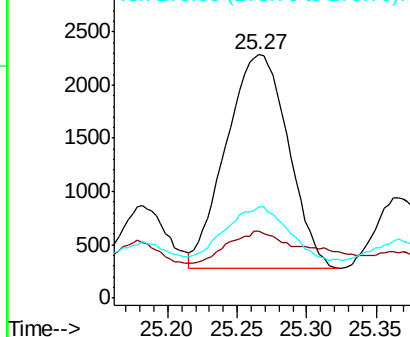
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

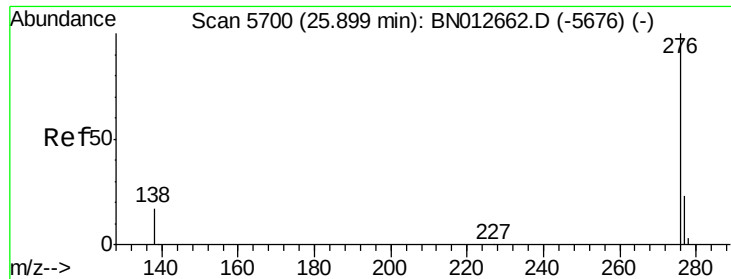


#25
 Dibenzo(a,h)anthracene
 Concen: 0.311 ng/ul
 RT: 25.27 min Scan# 5511
 Delta R.T. -0.02 min
 Lab File: BN012672.D
 Acq: 20 Nov 2020 23:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.3	13.8	20.8#
279	37.3	25.6	38.4

Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 1.126 ng/ul

RT: 25.90 min Scan# 5699

Delta R.T. -0.00 min

Lab File: BN012672.D

Acq: 20 Nov 2020 23:03

Instrument :

BNA_N

ClientSampleId :

C0AY7

Tot Ion:	276	Resp:	25315
Ion Ratio	Lower	Upper	
276	100		
138	21.9	16.3	24.5
277	25.0	21.8	32.8

Manual Integrations
APPROVED

mohammad
11/24/2020 8:56:26 AM

