

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
 Data File : BN013507.D
 Acq On : 27 Jan 2021 14:46
 Operator : CG/JU
 Sample : M1099-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1C15

Manual Integrations
 APPROVED

mohammad
 1/28/2021 11:44:12 AM

Quant Time: Jan 27 15:18:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 11:55:49 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4507	0.40	ng/ul	0.00
2) Naphthalene-d8	10.33	136	17220	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	10295	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	20995m	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	20364	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	20227	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	11669	0.45	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	24869	0.45	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.38	128	10051	0.202	ng/ul	95
5) 2-Methylnaphthalene	12.00	142	5848	0.185	ng/ul	100
7) Acenaphthylene	13.92	152	33903	0.799	ng/ul	100
8) Acenaphthene	14.26	153	5853	0.155	ng/ul	100
9) Fluorene	15.25	166	10459	0.251	ng/ul#	98
12) Phenanthrene	16.99	178	47636	0.693	ng/ul	99
13) Anthracene	17.08	178	9884	0.175	ng/ul	98
15) Fluoranthene	19.02	202	45928	0.611	ng/ul	98
17) Pyrene	19.38	202	87283	1.047	ng/ul	99
18) Benzo(a)anthracene	21.14	228	5352	0.080	ng/ul#	1
19) Chrysene	21.19	228	7710	0.092	ng/ul#	92
21) Benzo(b)fluoranthene	22.68	252	8783m	0.103	ng/ul	
22) Benzo(k)fluoranthene	22.72	252	2895m	0.032	ng/ul	
23) Benzo(a)pyrene	23.23	252	6414	0.089	ng/ul#	62
24) Indeno(1,2,3-cd)pyrene	25.48	276	5628	0.059	ng/ul#	100
26) Benzo(a,h,i)perylene	26.13	276	11372	0.134	ng/ul	96

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

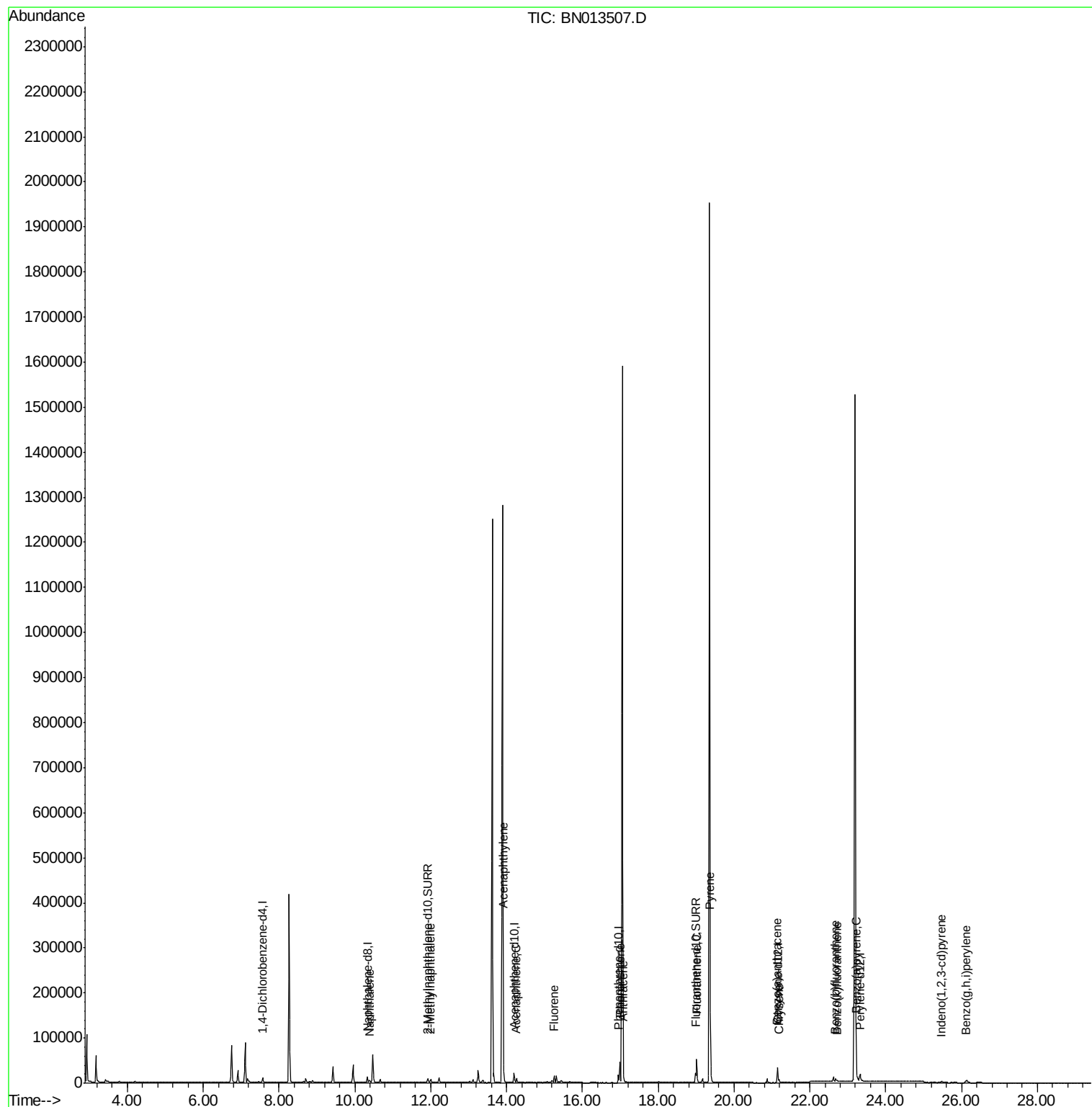
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
Data File : BN013507.D
Acq On : 27 Jan 2021 14:46
Operator : CG/JU
Sample : M1099-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

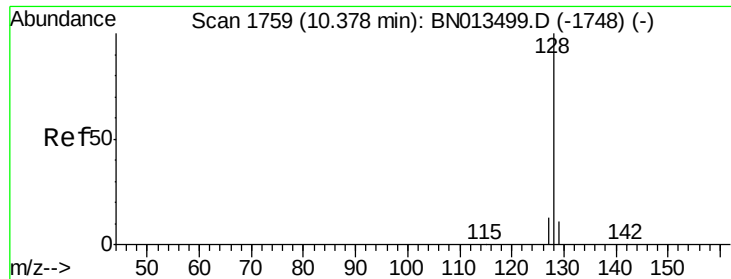
Instrument :
BNA_N
ClientSampleId :
F1C15

Manual Integrations
APPROVED

mohammad
1/28/2021 11:44:12 AM

Quant Time: Jan 27 15:18:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 27 11:55:49 2021
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.202 ng/ul

RT: 10.38 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Instrument :

BNA_N

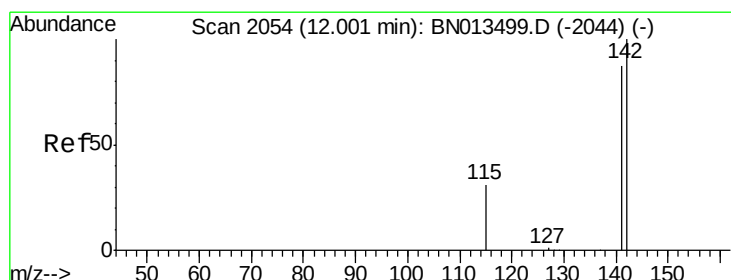
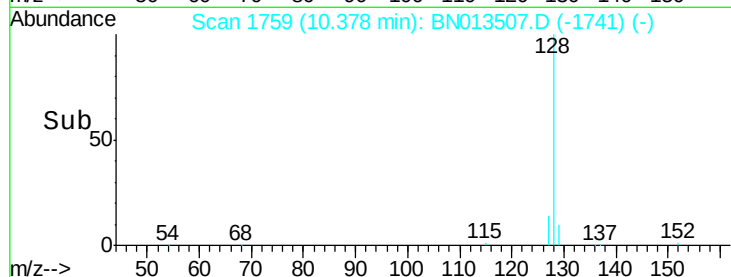
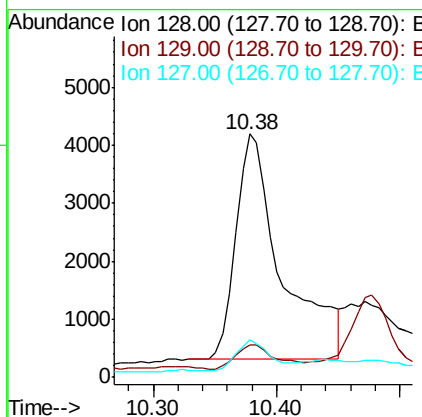
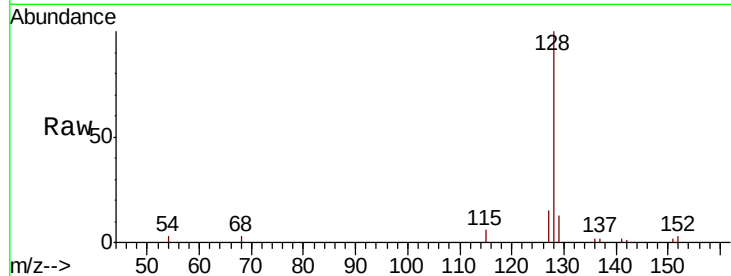
ClientSampled :

F1C15

Tot Ion:	128	Resp:	10051
Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.0	13.6
127	15.3	10.6	15.8

Manual Integrations
APPROVED

mohammad
1/28/2021 11:44:12 AM



#5

2-Methylnaphthalene

Concen: 0.185 ng/ul

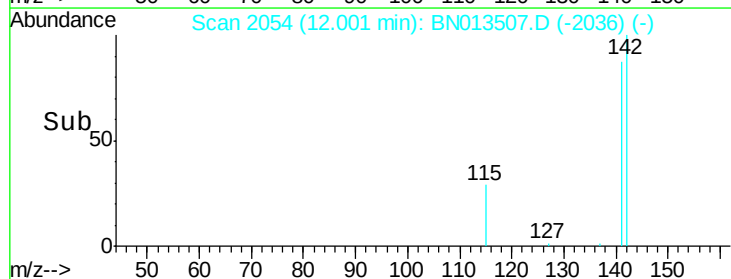
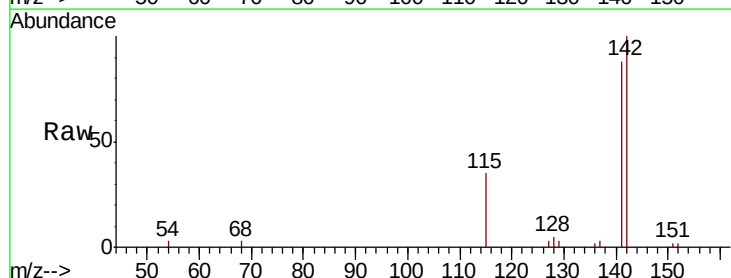
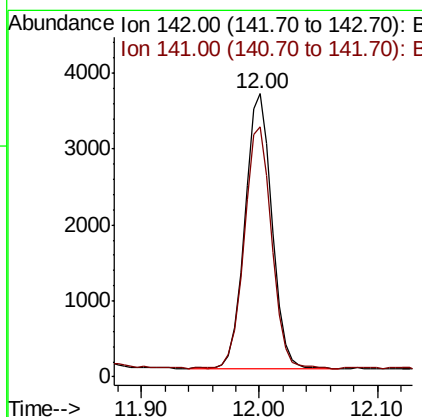
RT: 12.00 min Scan# 2054

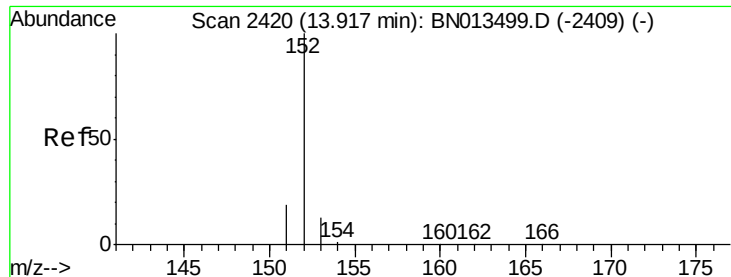
Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Tgt Ion:	142	Resp:	5848
Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.6	106.0





#7

Acenaphthylene

Concen: 0.799 ng/ul

RT: 13.92 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Instrument :

BNA_N

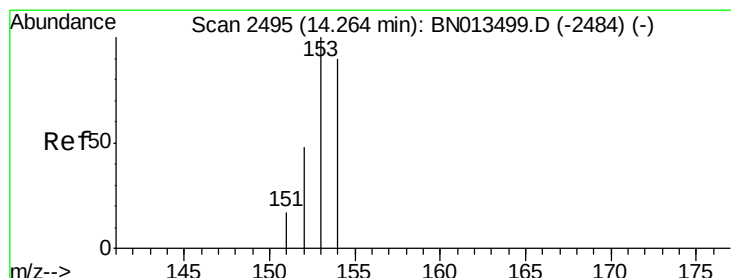
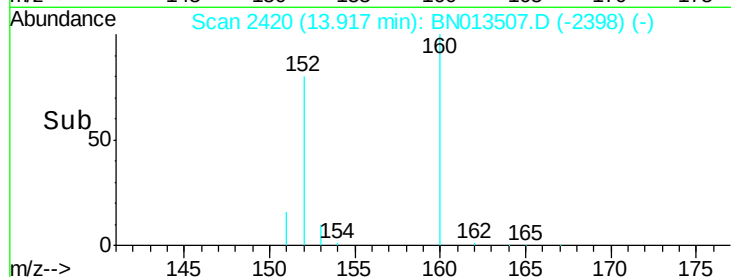
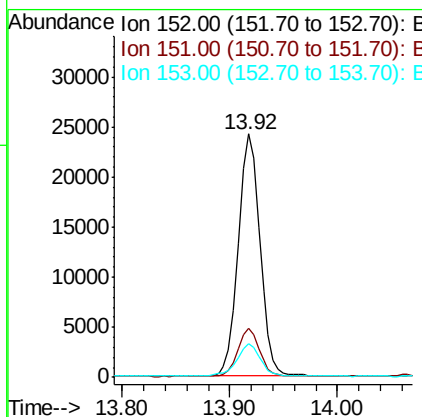
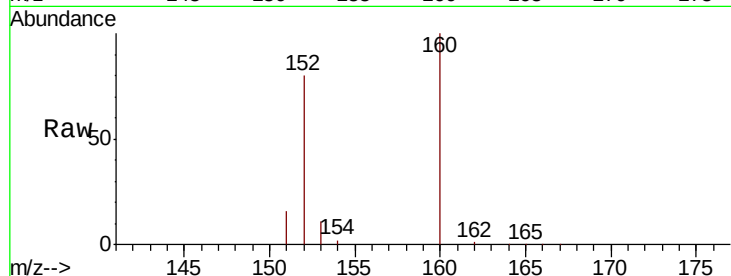
ClientSampleId :

F1C15

Tot Ion:	152	Resp:	33903
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.1	24.1
153	13.7	10.7	16.1

Manual Integrations
APPROVED

mohammad
1/28/2021 11:44:12 AM



#8

Acenaphthene

Concen: 0.155 ng/ul

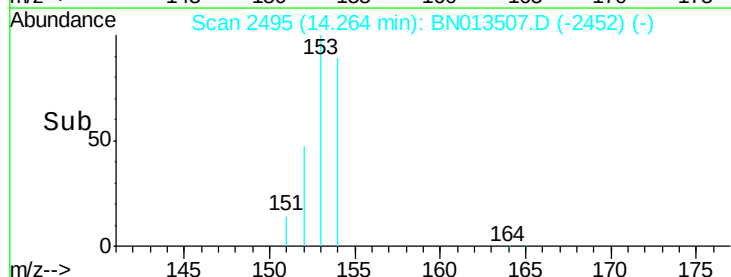
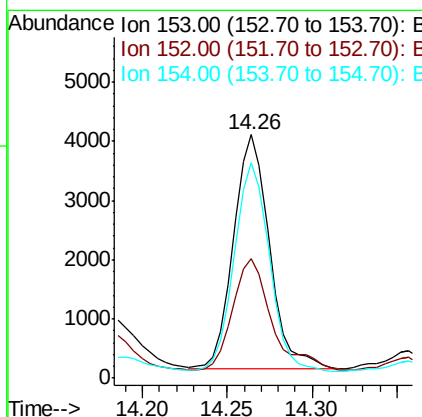
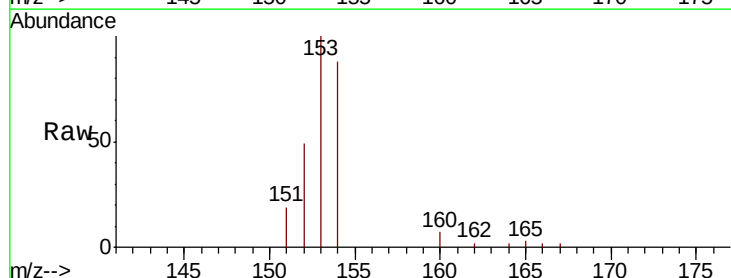
RT: 14.26 min Scan# 2495

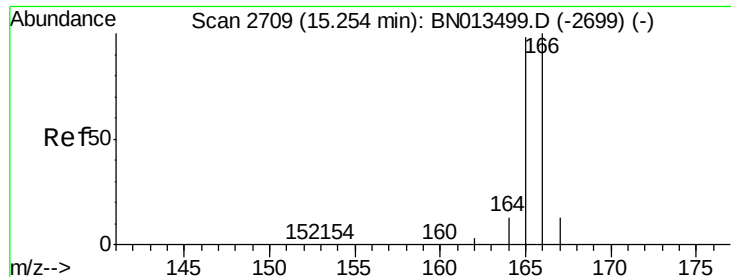
Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Tgt Ion:	153	Resp:	5853
Ion Ratio	Lower	Upper	
153	100		
152	48.9	39.5	59.3
154	88.5	70.6	105.8





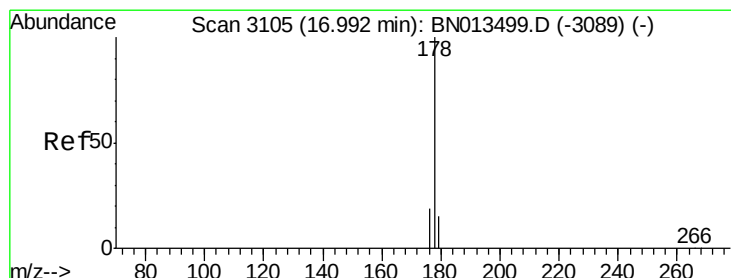
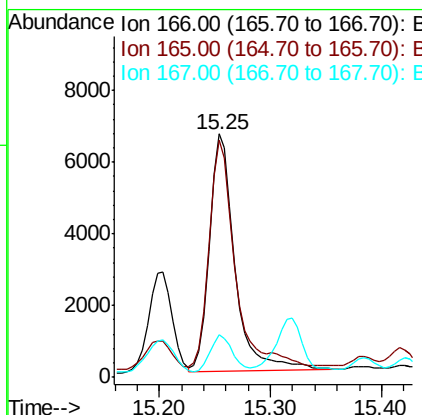
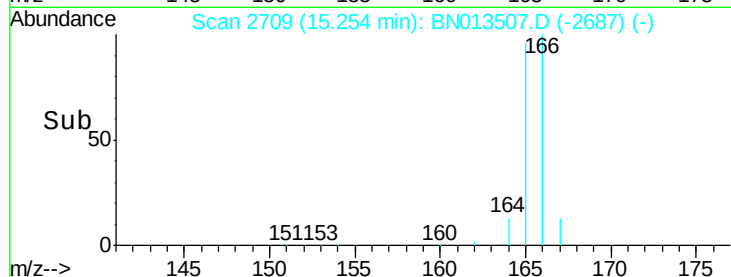
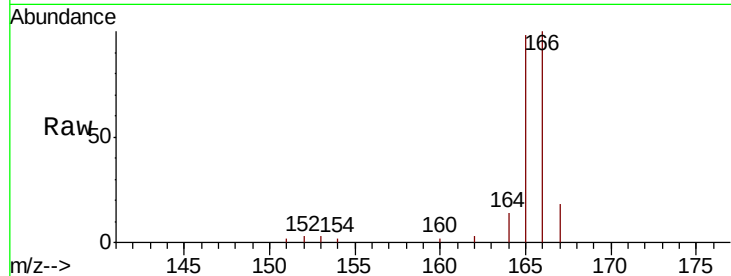
#9
Fluorene
Concen: 0.251 ng/ul
RT: 15.25 min Scan# 2709
Delta R.T. -0.00 min
Lab File: BN013507.D
Acq: 27 Jan 2021 14:46

Instrument :
BNA_N
ClientSampleId :
F1C15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		10459		
165	97.7	78.7	118.1		
167	17.5	11.3	16.9#		

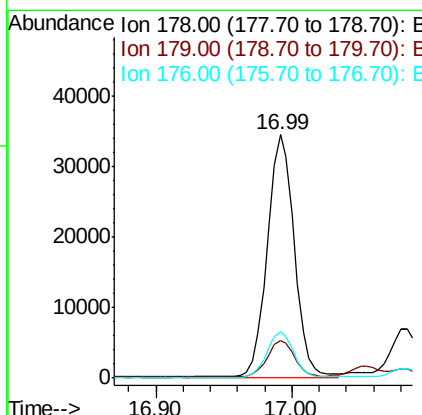
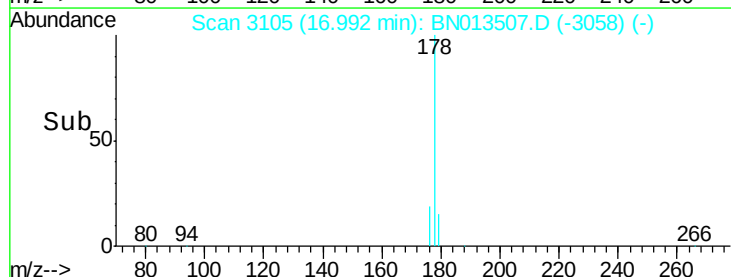
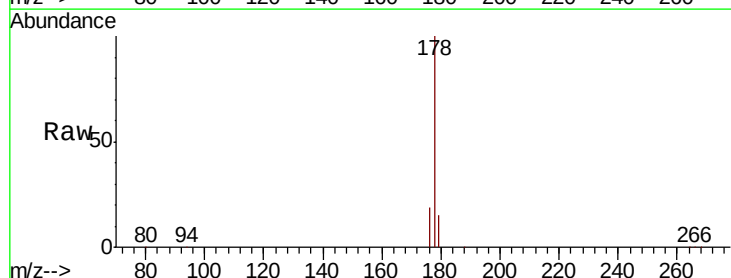
Manual Integrations
APPROVED

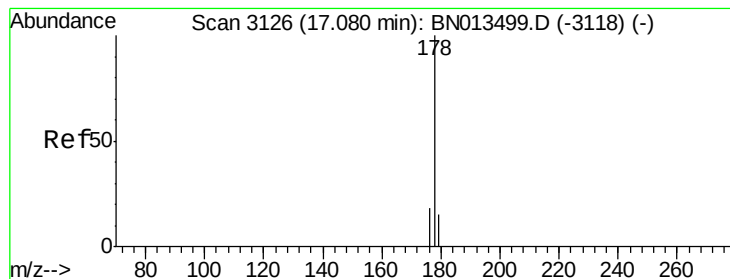
mohammad
1/28/2021 11:44:12 AM



#12
Phenanthrene
Concen: 0.693 ng/ul
RT: 16.99 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BN013507.D
Acq: 27 Jan 2021 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		47636		
179	15.5	12.5	18.7		
176	18.9	15.6	23.4		





#13

Anthracene

Concen: 0.175 ng/ul

RT: 17.08 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Instrument :

BNA_N

ClientSampleId :

F1C15

Tot Ion:178 Resp: 9884

Ion Ratio Lower Upper

178 100

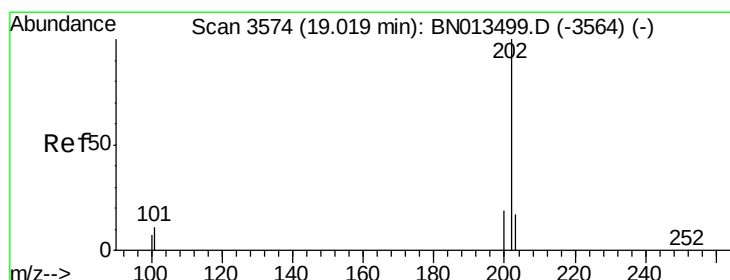
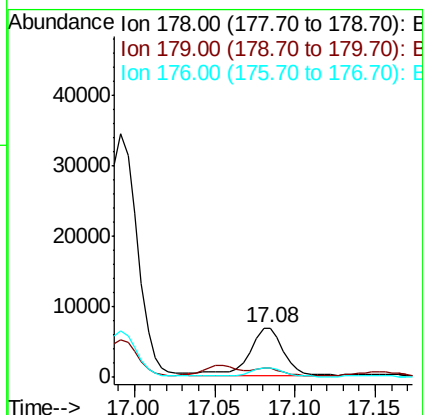
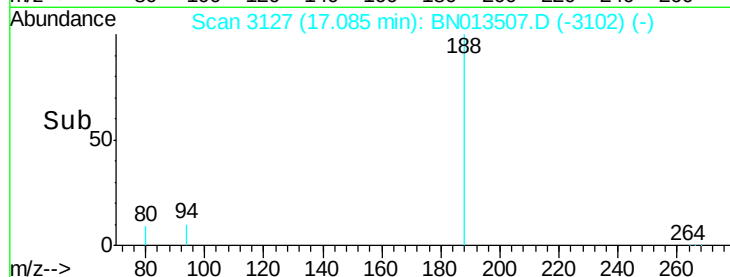
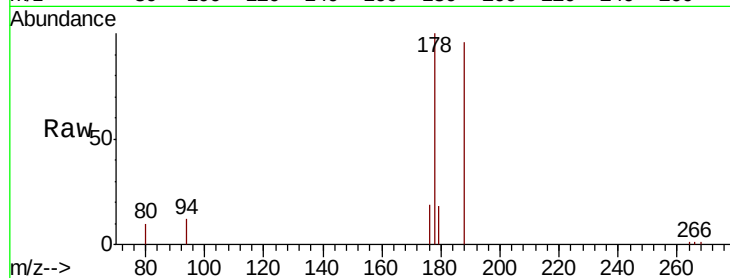
179 17.7 12.6 19.0

176 18.9 15.0 22.4

Manual Integrations
APPROVED

mohammad

1/28/2021 11:44:12 AM



#15

Fluoranthene

Concen: 0.611 ng/ul

RT: 19.02 min Scan# 3574

Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

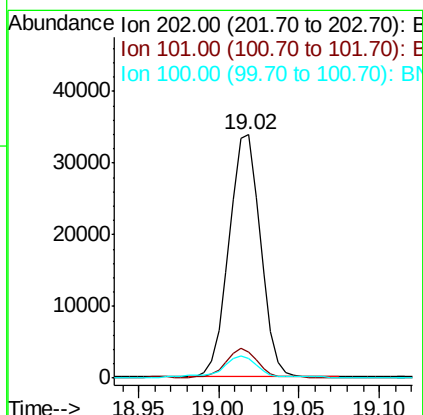
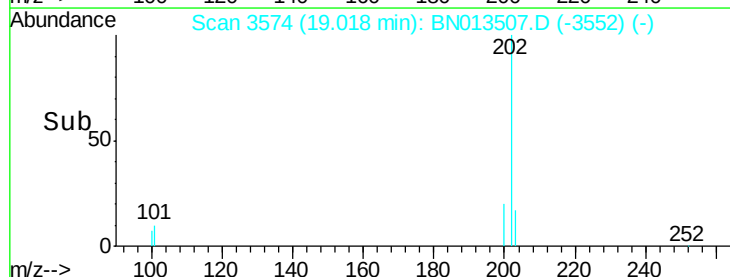
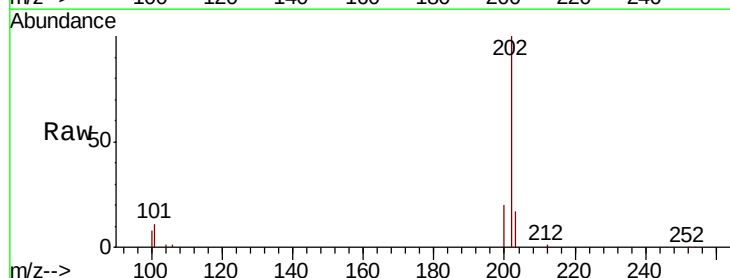
Tgt Ion:202 Resp: 45928

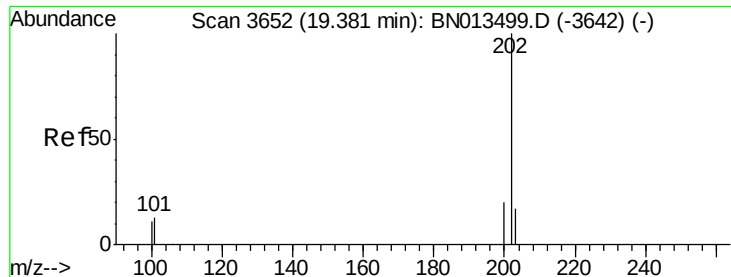
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.6

100 7.9 0.0 28.5





#17

Pvrene

Concen: 1.047 ng/ul

RT: 19.38 min Scan# 3652

Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Instrument :

BNA_N

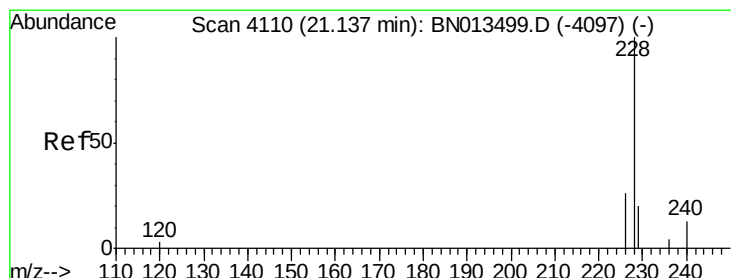
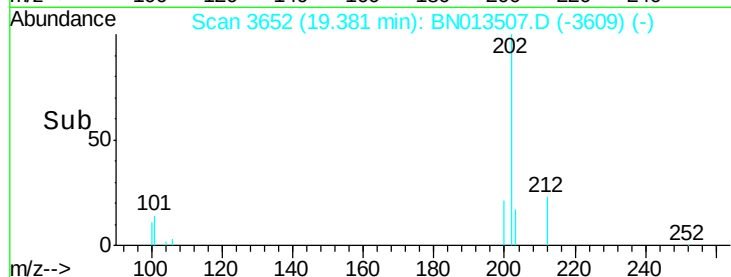
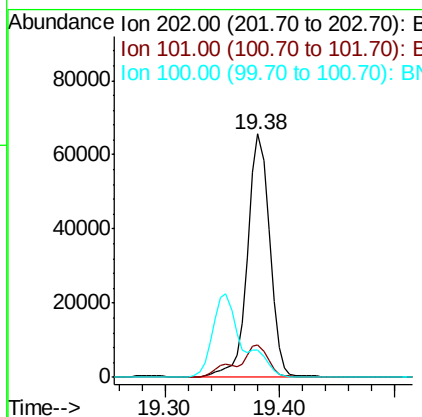
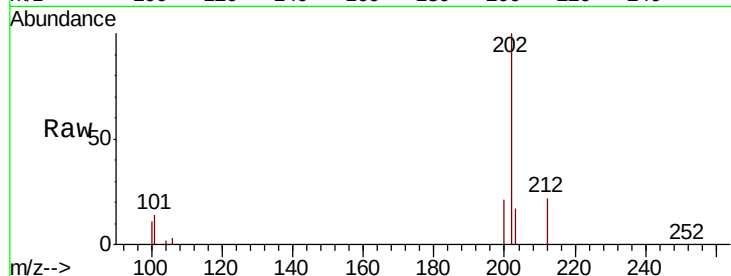
ClientSampleId :

F1C15

Tot Ion:	202	Resp:	87283
Ion Ratio	Lower	Upper	
202	100		
101	13.5	11.2	16.8
100	11.0	9.0	13.4

Manual Integrations
APPROVED

mohammad
1/28/2021 11:44:12 AM



#18

Benzo(a)anthracene

Concen: 0.080 ng/ul

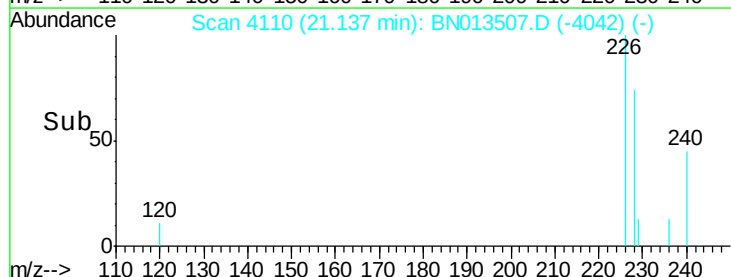
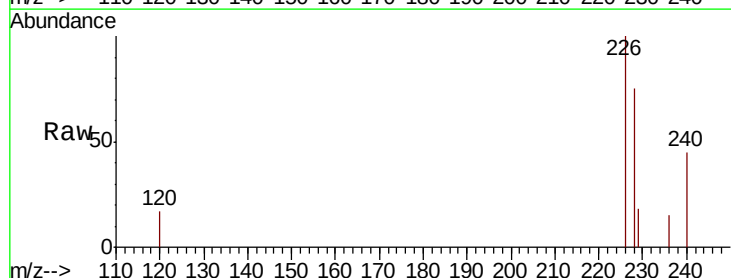
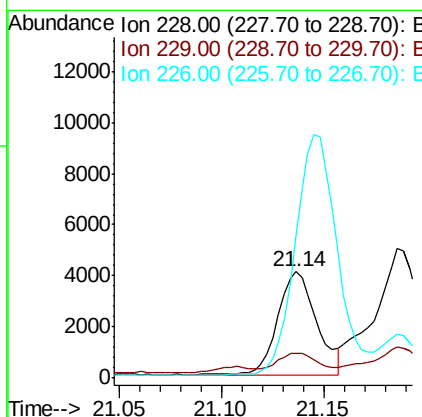
RT: 21.14 min Scan# 4110

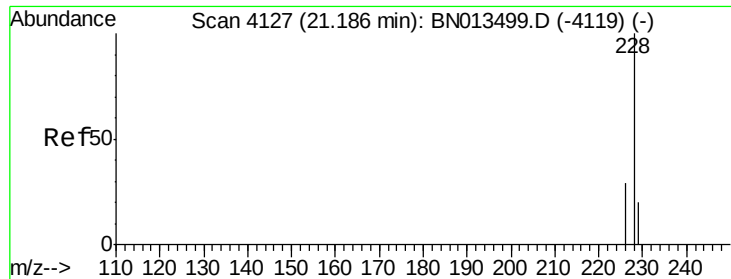
Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Tgt Ion:	228	Resp:	5352
Ion Ratio	Lower	Upper	
228	100		
229	23.8	15.6	23.4#
226	133.7	21.9	32.9#





#19

Chrysene

Concen: 0.092 ng/ul

RT: 21.19 min Scan# 4127

Delta R.T. -0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Instrument :

BNA_N

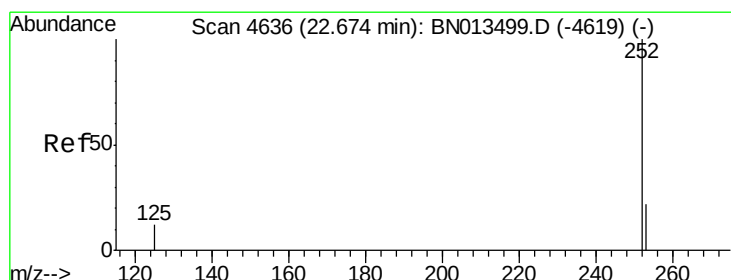
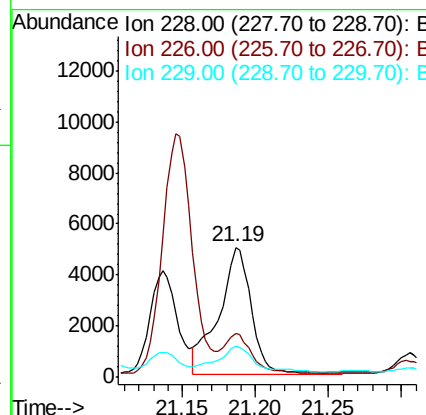
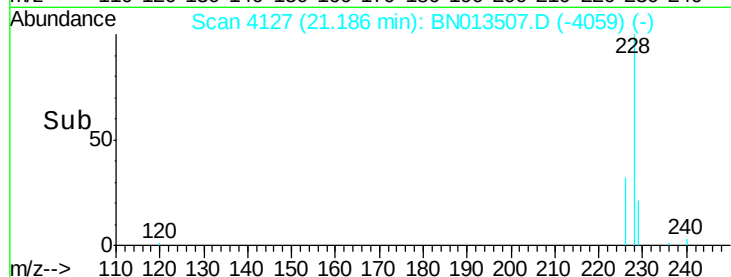
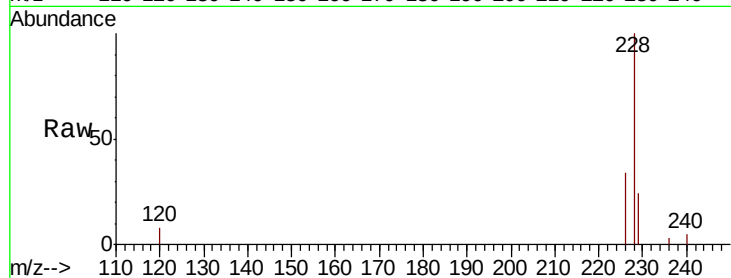
ClientSampleId :

F1C15

Tot Ion:	228	Resp:	7710
Ion	Ratio	Lower	Upper
228	100		
226	33.8	24.0	36.0
229	24.3	15.8	23.8

Manual Integrations
APPROVED

mohammad
1/28/2021 11:44:12 AM



#21

Benzo(b)fluoranthene

Concen: 0.103 ng/ul m

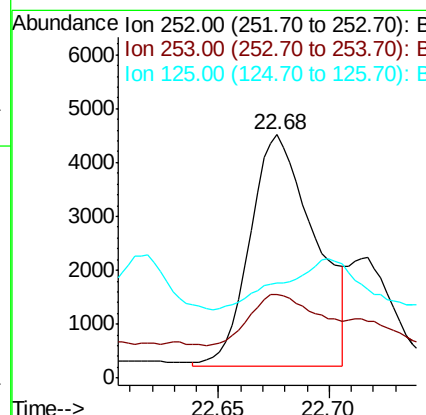
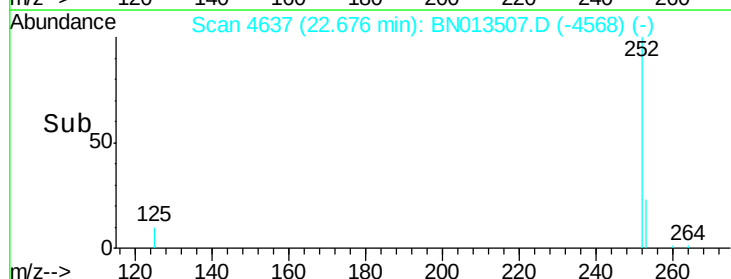
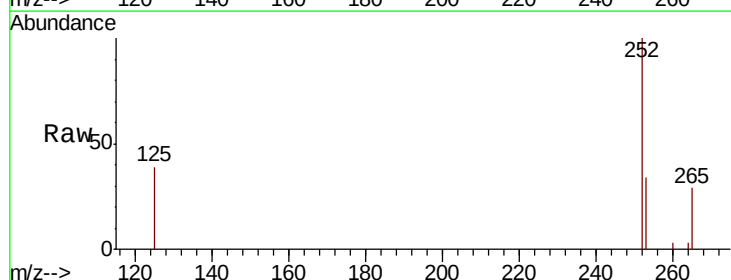
RT: 22.68 min Scan# 4637

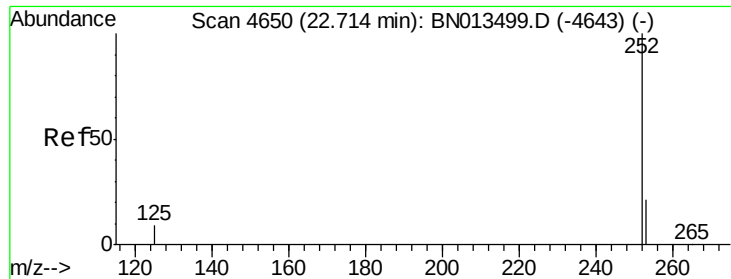
Delta R.T. 0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Tgt Ion:	252	Resp:	8783
Ion	Ratio	Lower	Upper
252	100		
253	34.4	0.0	47.4
125	39.1	0.0	26.8





#22

Benzo(k)fluoranthene

Concen: 0.032 ng/ul

RT: 22.72 min Scan# 4651

Delta R.T. 0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Instrument :

BNA_N

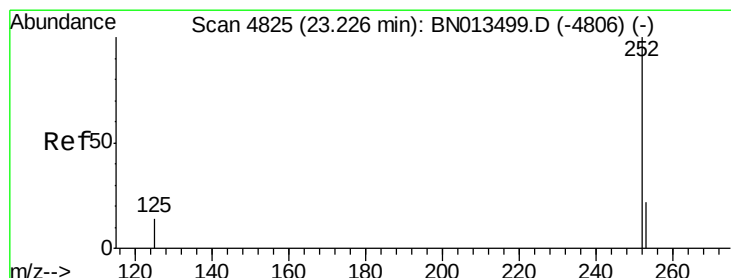
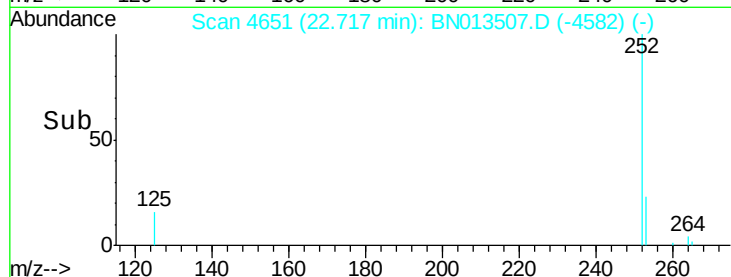
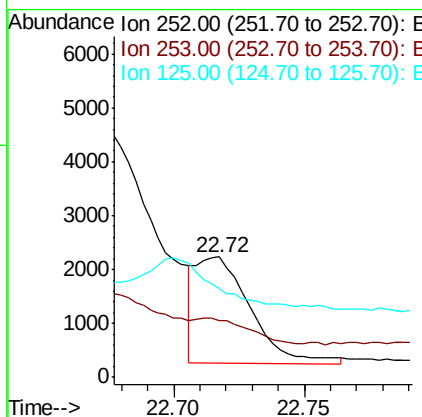
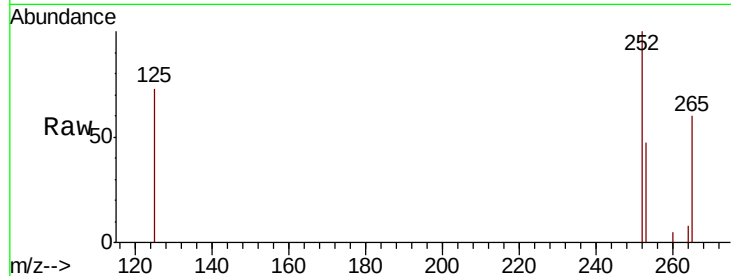
ClientSampleId :

F1C15

Tot Ion	252	Resp	2895
Ion	Ratio	Lower	Upper
252	100		
253	47.4	19.2	28.8#
125	73.5	11.4	17.2#

Manual Integrations
APPROVED

mohammad
1/28/2021 11:44:12 AM



#23

Benzo(a)pyrene

Concen: 0.089 ng/ul

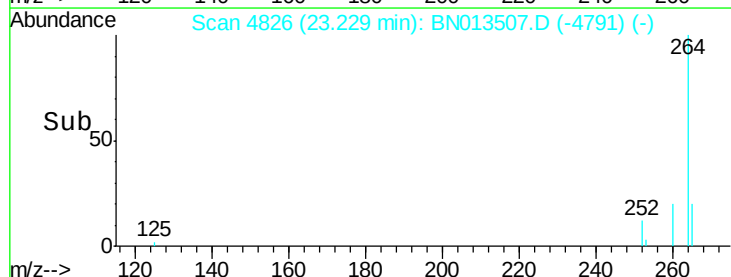
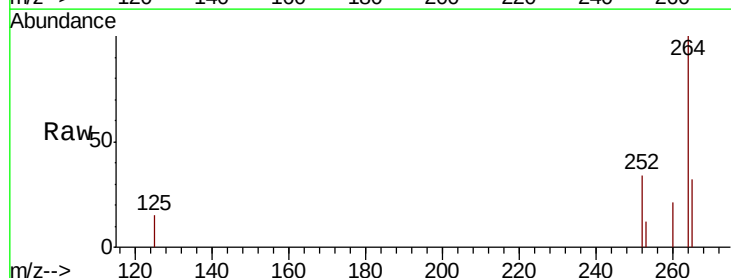
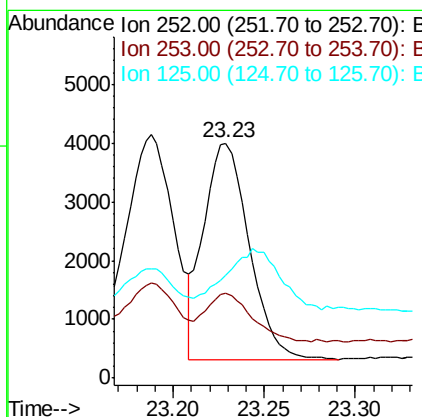
RT: 23.23 min Scan# 4826

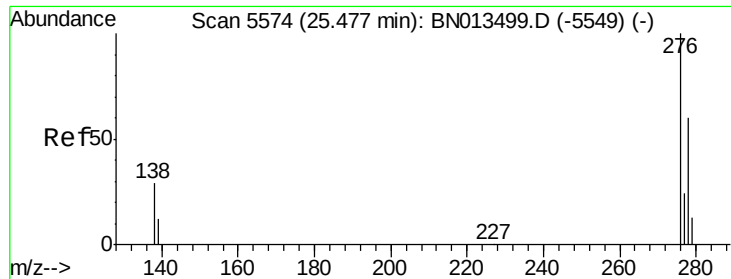
Delta R.T. 0.00 min

Lab File: BN013507.D

Acq: 27 Jan 2021 14:46

Tgt Ion	252	Resp	6414
Ion	Ratio	Lower	Upper
252	100		
253	36.1	20.1	30.1#
125	43.7	13.1	19.7#





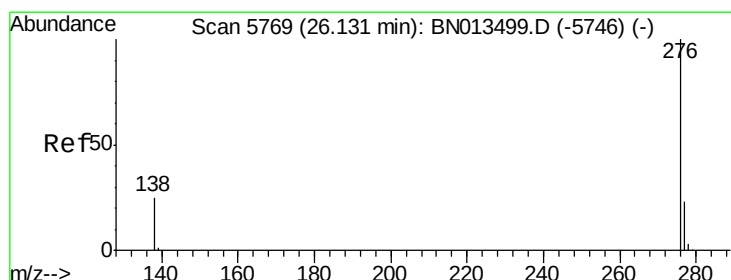
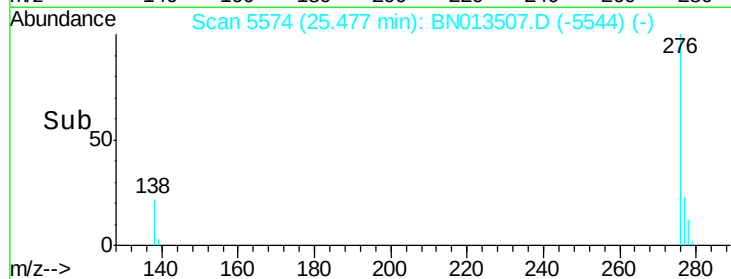
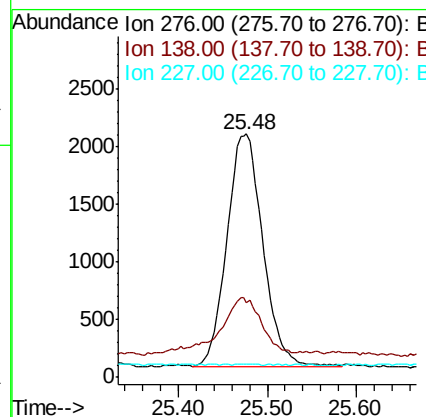
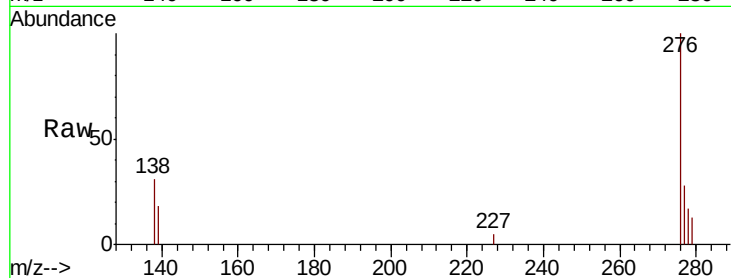
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.059 ng/ul
 RT: 25.48 min Scan# 5574
 Delta R.T. -0.00 min
 Lab File: BN013507.D
 Acq: 27 Jan 2021 14:46

Instrument :
 BNA_N
 ClientSampled :
 F1C15

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	25.2	0.0	0.0#
227	0.2	0.0	0.0#

Manual Integrations
 APPROVED

mohammad
 1/28/2021 11:44:12 AM



#26
 Benzo(g,h,i)perylene
 Concen: 0.134 ng/ul
 RT: 26.13 min Scan# 5769
 Delta R.T. -0.00 min
 Lab File: BN013507.D
 Acq: 27 Jan 2021 14:46

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	29.3	21.0	31.4
277	25.4	19.5	29.3

