

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121220\
 Data File : BN013093.D
 Acq On : 12 Dec 2020 16:09
 Operator : CG/JU
 Sample : L5063-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AD8

Manual Integrations
 APPROVED

mohammad
 12/15/2020 12:17:01 PM

Quant Time: Dec 14 11:31:40 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 14 10:24:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	655	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	2466	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	4011	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.79	188	4445	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	6709	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	4444	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	1085	0.30	ng/ul	-0.01
14) Fluoranthene-d10	18.84	212	3397	0.28	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.17	128	18830	2.639	ng/ul	94
5) 2-Methylnaphthalene	11.80	142	43002	9.174	ng/ul	97
7) Acenaphthylene	13.75	152	3644	0.192	ng/ul#	1
8) Acenaphthene	14.09	153	1903	0.122	ng/ul#	66
9) Fluorene	15.09	166	5070	0.284	ng/ul#	20
11) Pentachlorophenol	16.45	266	149	0.116	ng/ul#	83
12) Phenanthrene	16.83	178	161189	10.816	ng/ul	96
13) Anthracene	16.92	178	10132m	0.799	ng/ul	
15) Fluoranthene	18.87	202	60061	3.391	ng/ul	92
17) Pyrene	19.24	202	303915	9.590	ng/ul	99
18) Benzo(a)anthracene	21.00	228	47798	1.722	ng/ul#	28
19) Chrysene	21.06	228	56165	1.831	ng/ul#	68
21) Benzo(b)fluoranthene	22.51	252	50658m	2.464	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	12156m	0.535	ng/ul	
23) Benzo(a)pyrene	23.04	252	42990	2.254	ng/ul#	47
24) Indeno(1,2,3-cd)pyrene	25.19	276	20397	0.814	ng/ul#	82
25) Dibenzo(a,h)anthracene	25.19	278	9023	0.455	ng/ul#	1
26) Benzo(g,h,i)perylene	25.82	276	27494	1.213	ng/ul#	73

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

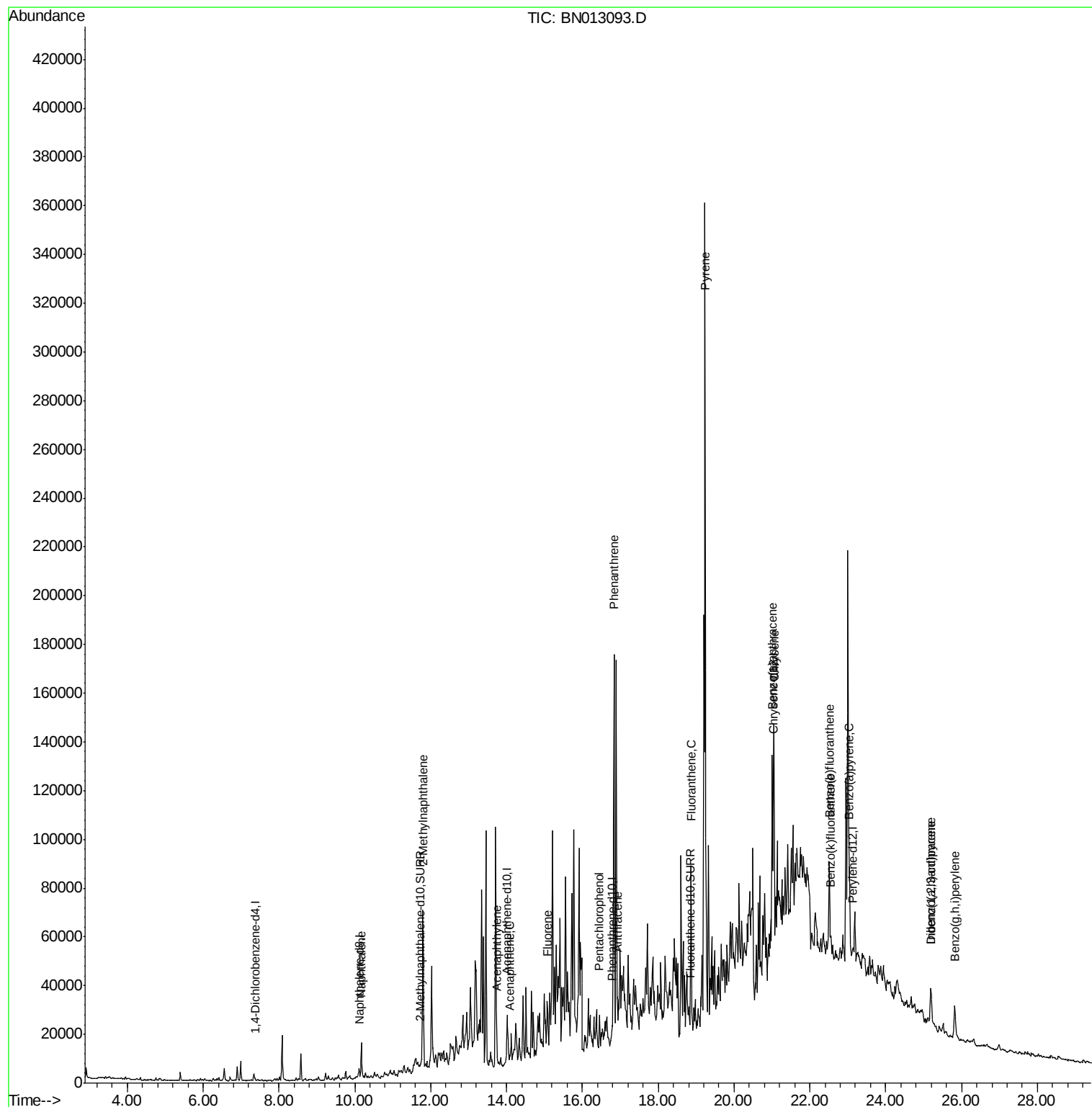
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121220\
Data File : BN013093.D
Acq On : 12 Dec 2020 16:09
Operator : CG/JU
Sample : L5063-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

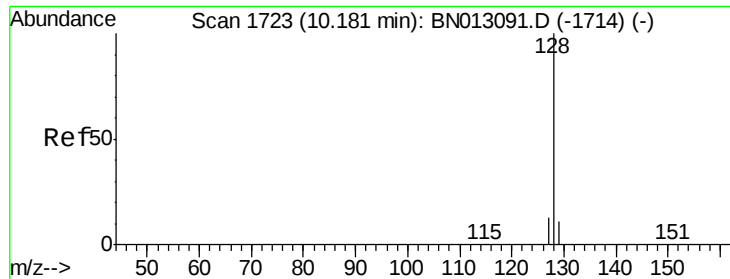
Instrument :
BNA_N
ClientSampleId :
C0AD8

Manual Integrations
APPROVED

mohammad
12/15/2020 12:17:01 PM

Quant Time: Dec 14 11:31:40 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 14 10:24:28 2020
Response via : Initial Calibration





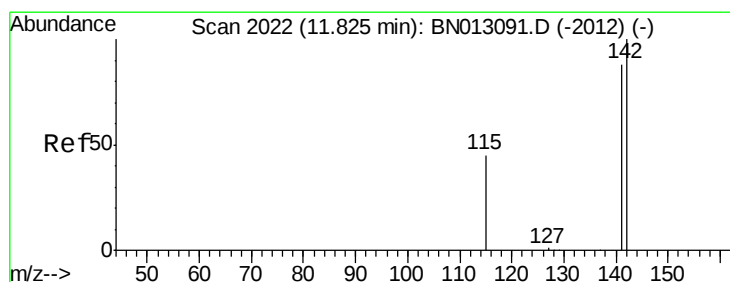
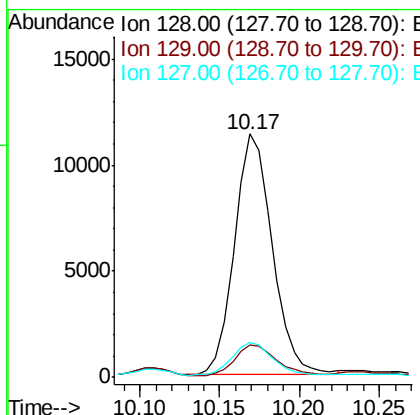
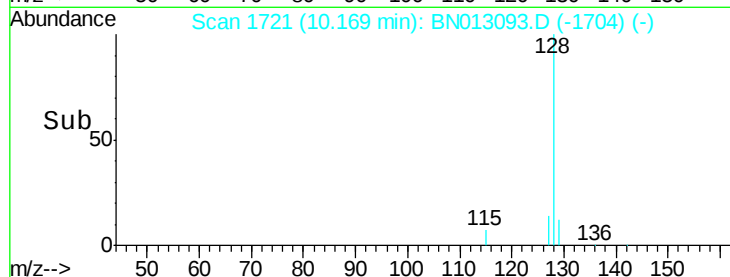
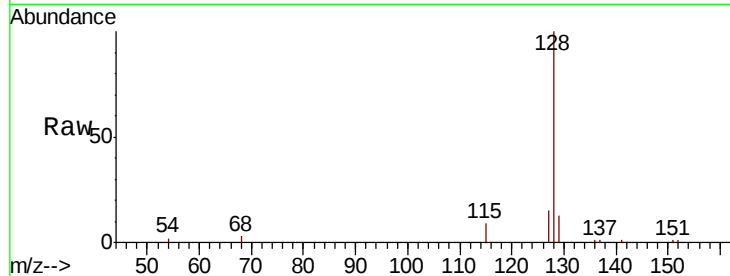
#3
Naphthalene
Concen: 2.639 ng/ul
RT: 10.17 min Scan# 1721
Delta R.T. -0.01 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Instrument :
BNA_N
ClientSampleId :
C0AD8

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.3	12.3	18.5
127	14.5	14.2	21.4

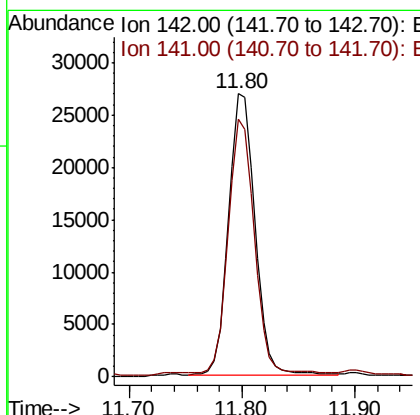
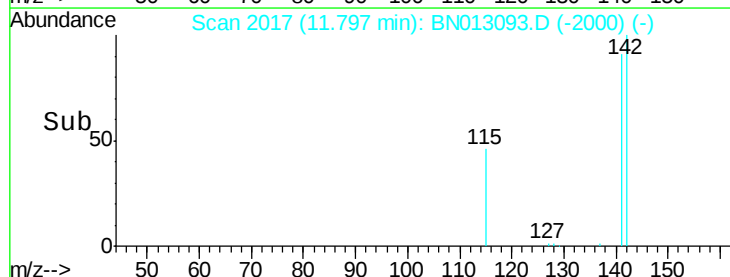
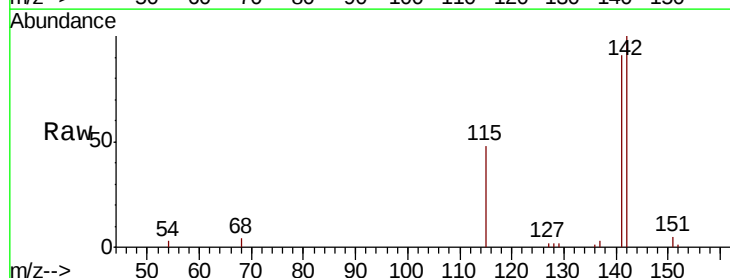
Manual Integrations
APPROVED

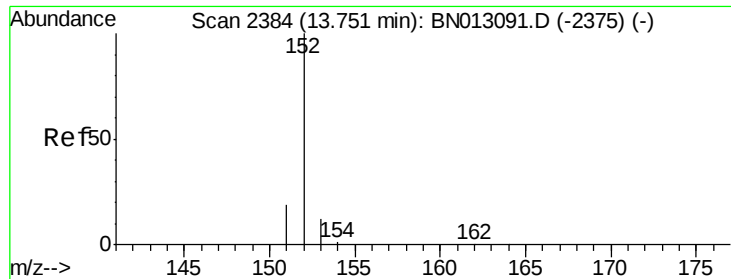
mohammad
12/15/2020 12:17:01 PM



#5
2-Methylnaphthalene
Concen: 9.174 ng/ul
RT: 11.80 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	73.0	109.6





#7

Acenaphthylene

Concen: 0.192 ng/ul

RT: 13.75 min Scan# 2383

Delta R.T. 0.00 min

Lab File: BN013093.D

Acq: 12 Dec 2020 16:09

Instrument :

BNA_N

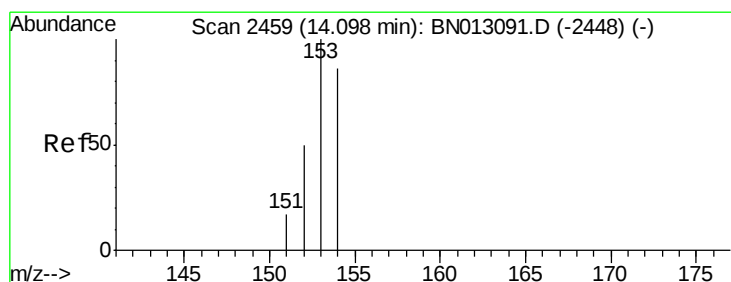
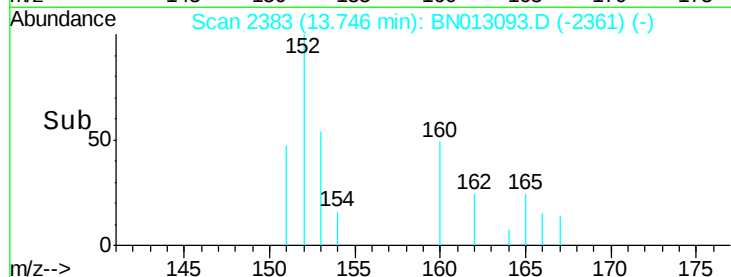
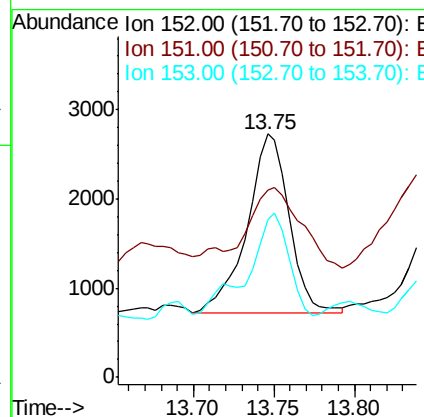
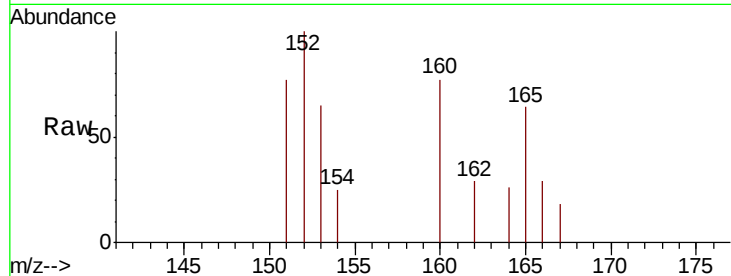
ClientSampleId :

C0AD8

Tot Ion:	152	Resp:	3644
Ion Ratio	Lower	Upper	
152	100		
151	77.0	18.2	27.4#
153	64.8	13.1	19.7#

Manual Integrations
APPROVED

mohammad
12/15/2020 12:17:01 PM



#8

Acenaphthene

Concen: 0.122 ng/ul

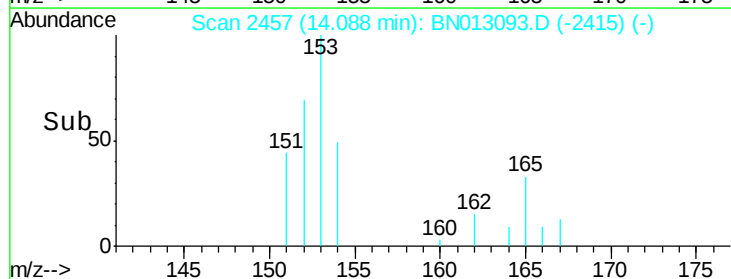
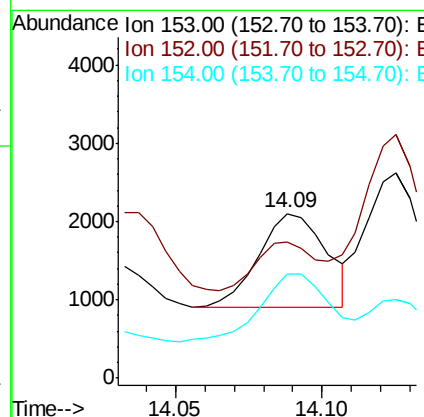
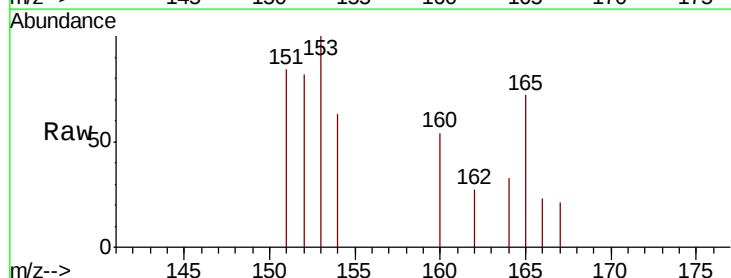
RT: 14.09 min Scan# 2457

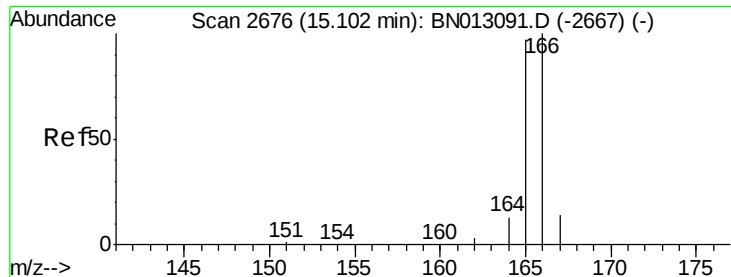
Delta R.T. -0.00 min

Lab File: BN013093.D

Acq: 12 Dec 2020 16:09

Tgt Ion:	153	Resp:	1903
Ion Ratio	Lower	Upper	
153	100		
152	82.5	40.7	61.1#
154	63.3	70.8	106.2#





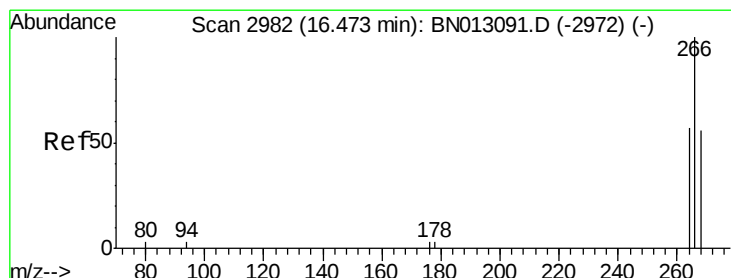
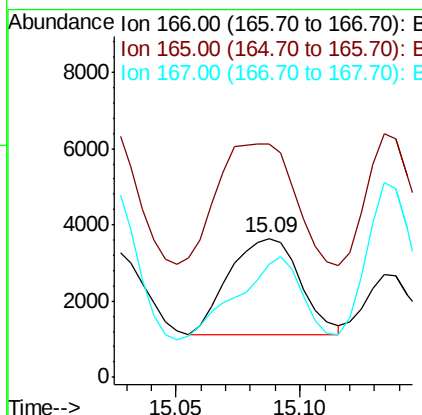
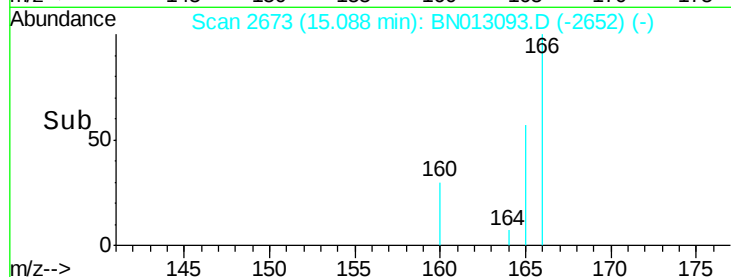
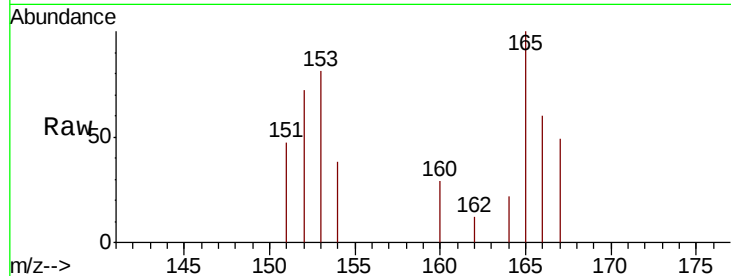
#9
Fluorene
 Concen: 0.284 ng/ul
 RT: 15.09 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: BN013093.D
 Acq: 12 Dec 2020 16:09

Instrument :
 BNA_N
 ClientSampleId :
 C0AD8

Tot Ion	Ratio	Lower	Upper
166	100		
165	167.6	79.8	119.8#
167	81.4	13.8	20.8#

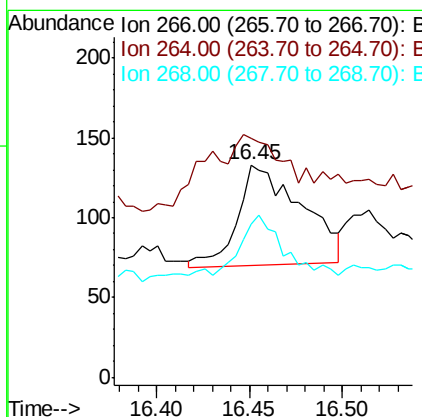
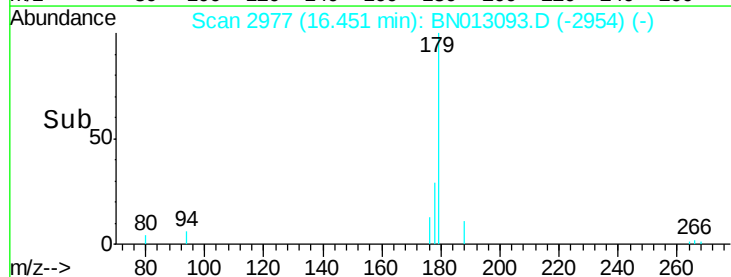
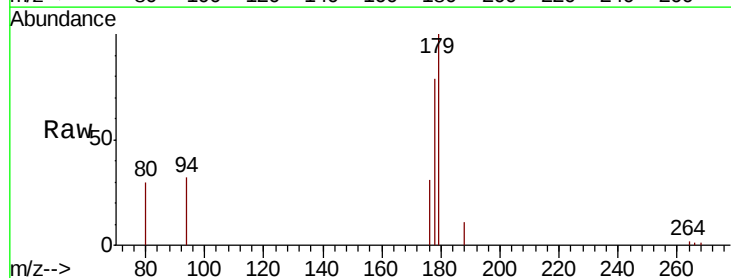
Manual Integrations
 APPROVED

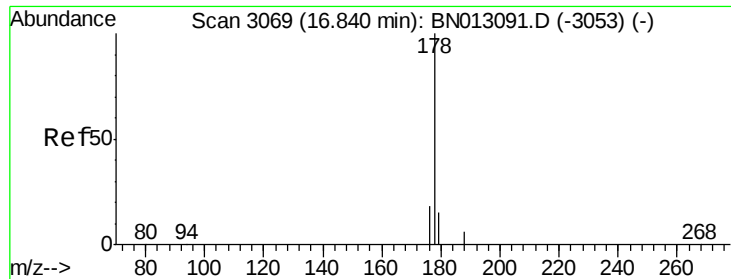
mohammad
 12/15/2020 12:17:01 PM



#11
Pentachlorophenol
 Concen: 0.116 ng/ul
 RT: 16.45 min Scan# 2977
 Delta R.T. -0.00 min
 Lab File: BN013093.D
 Acq: 12 Dec 2020 16:09

Tgt Ion	Ratio	Lower	Upper
266	100		
264	77.9	51.5	77.3#
268	56.4	56.0	84.0





#12

Phenanthrene

Concen: 10.816 ng/ul

RT: 16.83 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN013093.D

Acq: 12 Dec 2020 16:09

Instrument :

BNA_N

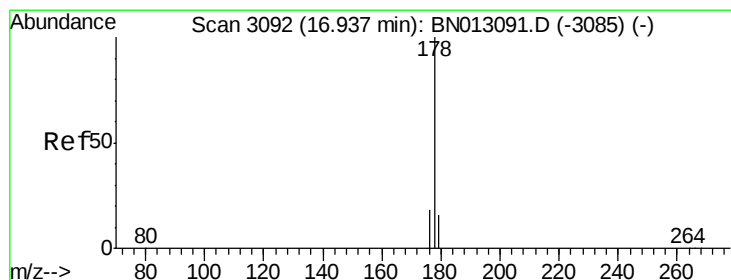
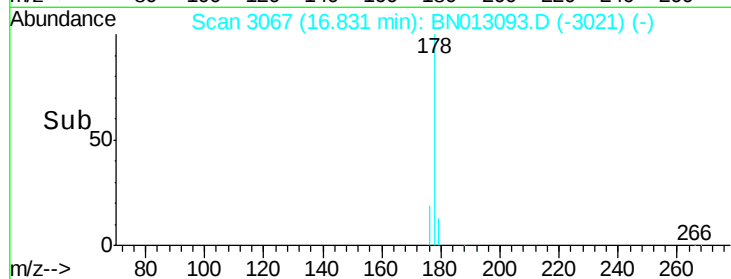
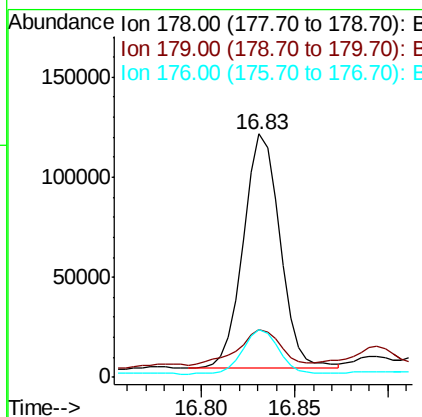
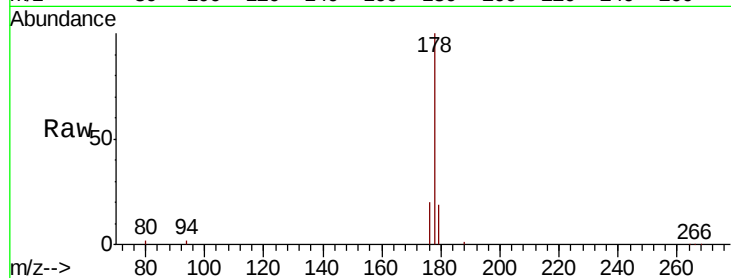
ClientSampleId :

C0AD8

Tot Ion:	178	Resp:	161189
Ion Ratio	Lower	Upper	
178	100		
179	19.4	13.6	20.4
176	19.6	16.4	24.6

Manual Integrations
APPROVED

mohammad
12/15/2020 12:17:01 PM



#13

Anthracene

Concen: 0.799 ng/ul m

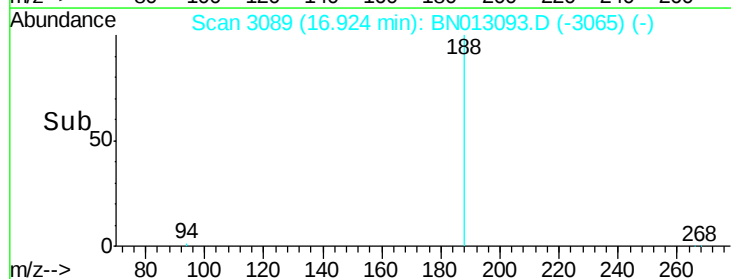
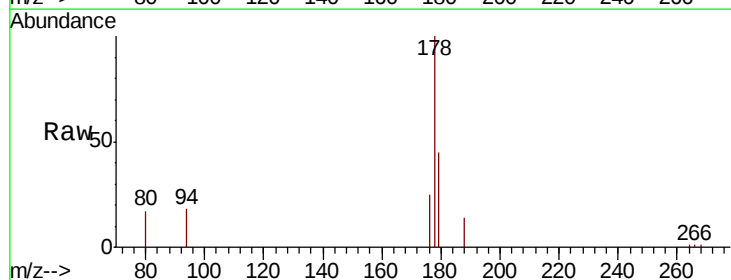
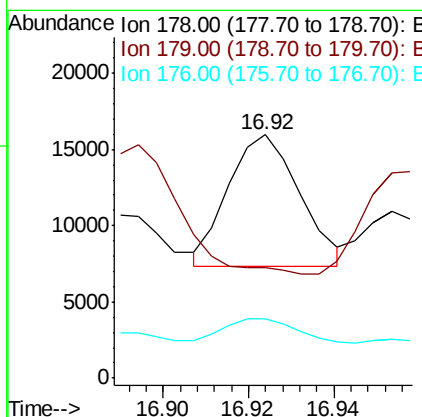
RT: 16.92 min Scan# 3089

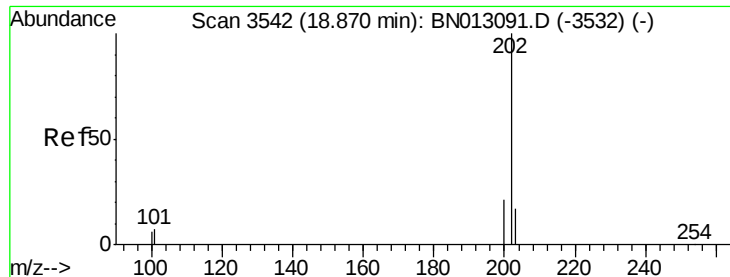
Delta R.T. 0.00 min

Lab File: BN013093.D

Acq: 12 Dec 2020 16:09

Tgt Ion:	178	Resp:	10132
Ion Ratio	Lower	Upper	
178	100		
179	45.2	14.6	21.8#
176	24.6	17.1	25.7





#15

Fluoranthene

Concen: 3.391 ng/ul

RT: 18.87 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BN013093.D

Acq: 12 Dec 2020 16:09

Instrument :

BNA_N

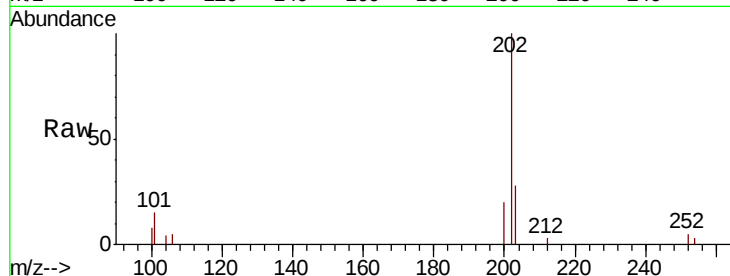
ClientSampleId :

C0AD8

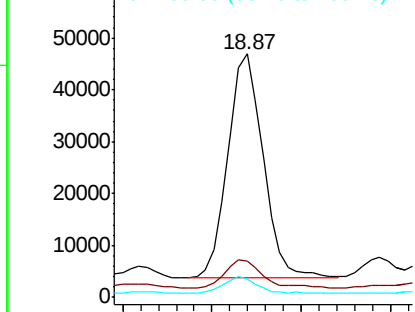
Tot Ion:	202	Resp:	60061
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	30.6
100	7.6	0.0	28.7

Manual Integrations
APPROVED

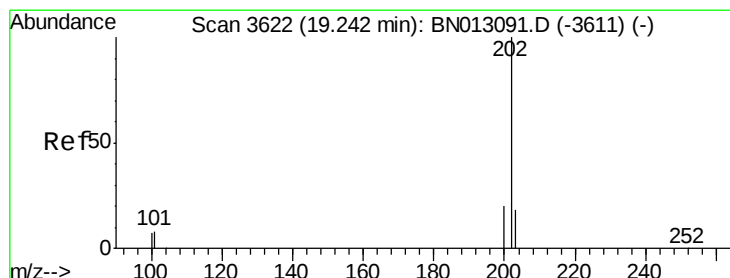
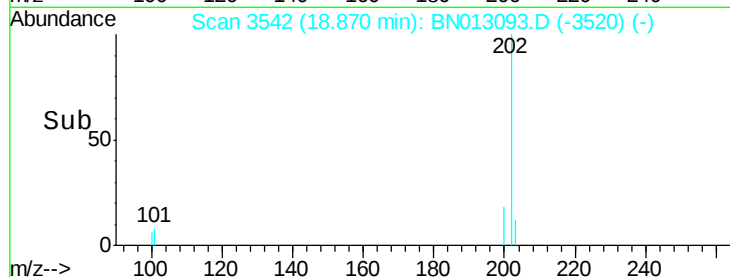
mohammad
12/15/2020 12:17:01 PM



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): B



Time--> 18.80 18.85 18.90



#17

Pyrene

Concen: 9.590 ng/ul

RT: 19.24 min Scan# 3621

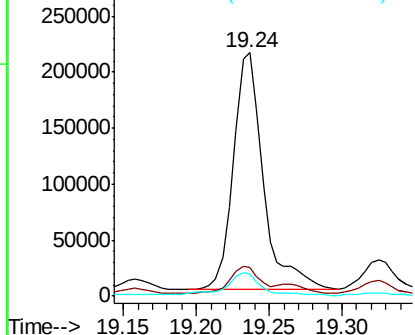
Delta R.T. 0.00 min

Lab File: BN013093.D

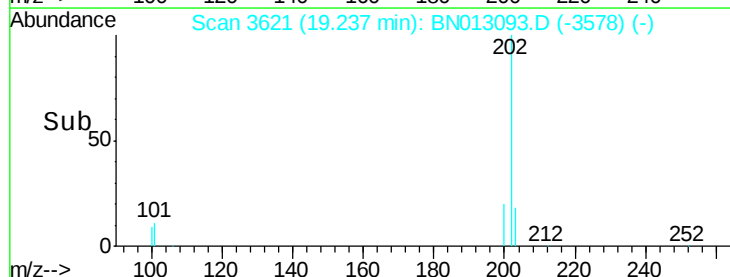
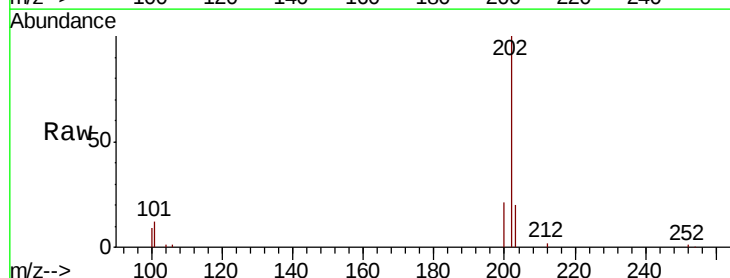
Acq: 12 Dec 2020 16:09

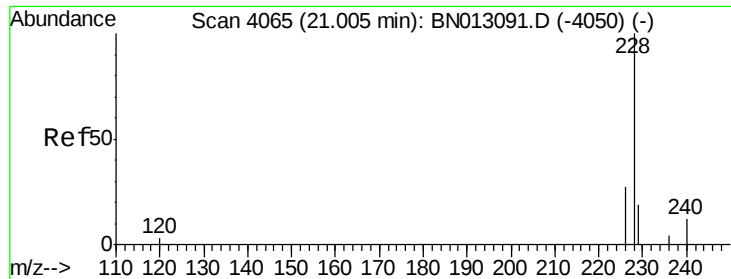
Tgt Ion:	202	Resp:	303915
Ion Ratio	Lower	Upper	
202	100		
101	11.5	9.1	13.7
100	8.9	7.5	11.3

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



Time--> 19.15 19.20 19.25 19.30





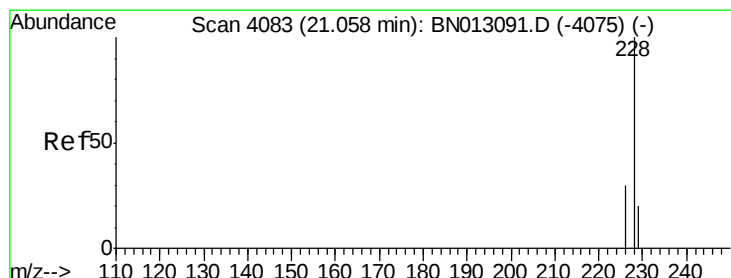
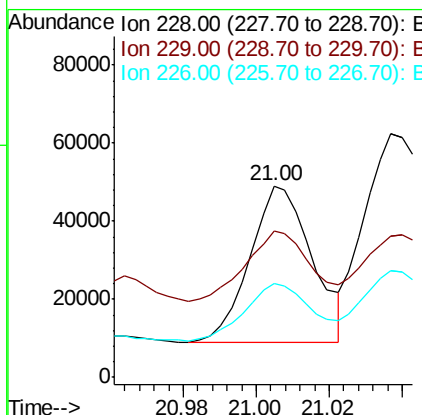
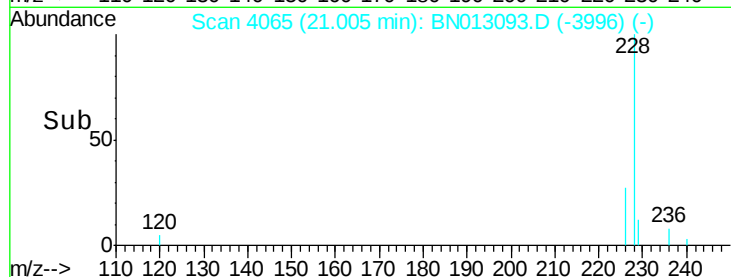
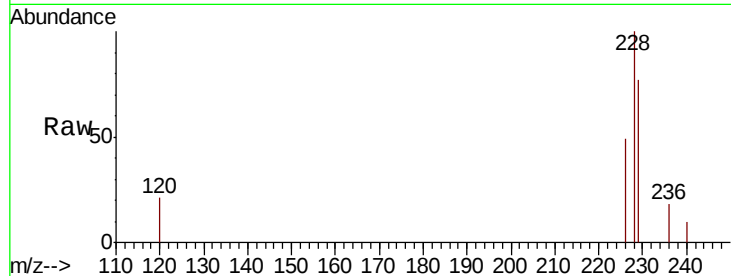
#18
Benzo(a)anthracene
Concen: 1.722 ng/ul
RT: 21.00 min Scan# 4065
Delta R.T. 0.00 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Instrument :
BNA_N
ClientSampleId :
C0AD8

Tot Ion:228 Resp: 47798
Ion Ratio Lower Upper
228 100
229 76.7 16.3 24.5#
226 49.0 23.4 35.2#

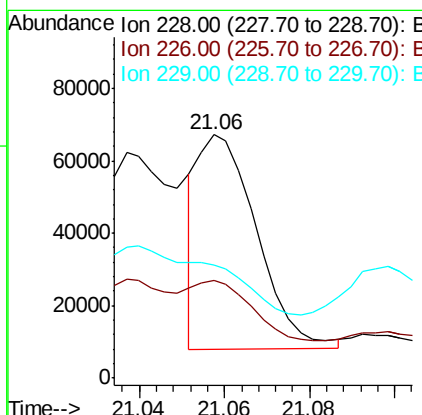
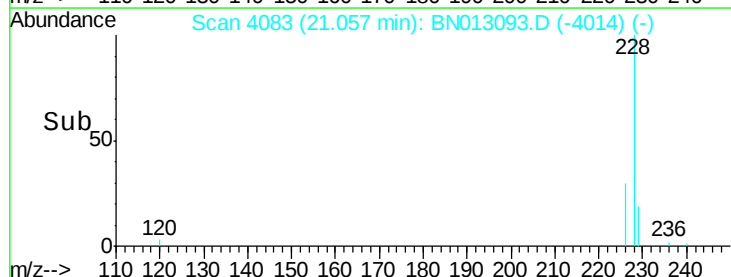
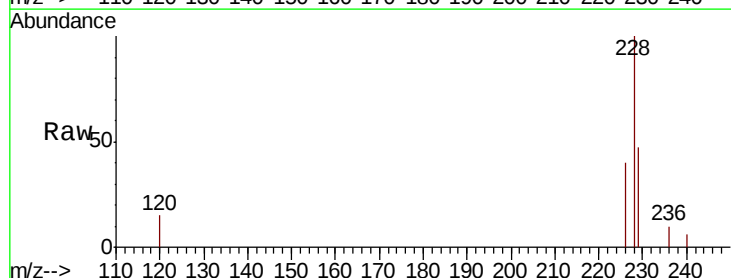
Manual Integrations
APPROVED

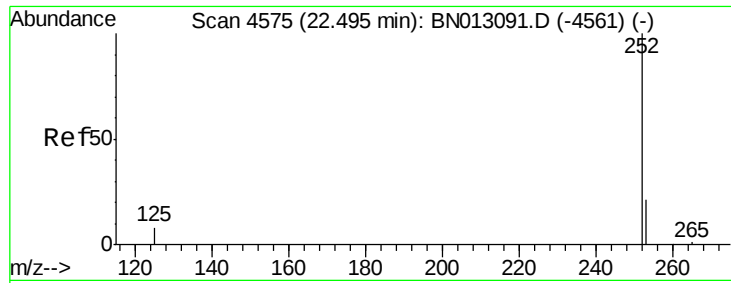
mohammad
12/15/2020 12:17:01 PM



#19
Chrysene
Concen: 1.831 ng/ul
RT: 21.06 min Scan# 4083
Delta R.T. 0.00 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Tgt Ion:228 Resp: 56165
Ion Ratio Lower Upper
228 100
226 40.3 25.0 37.6#
229 46.6 16.4 24.6#





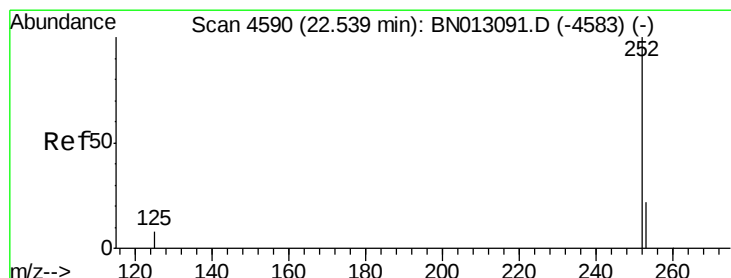
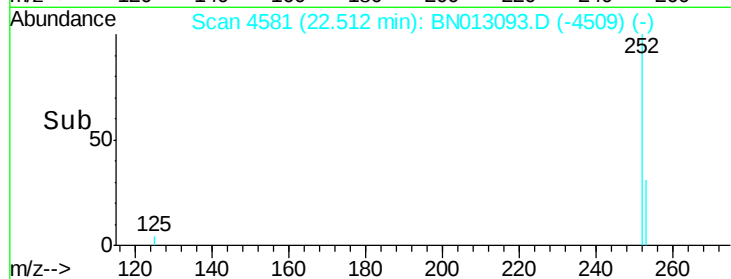
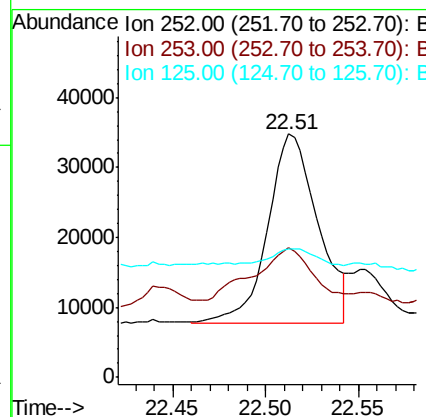
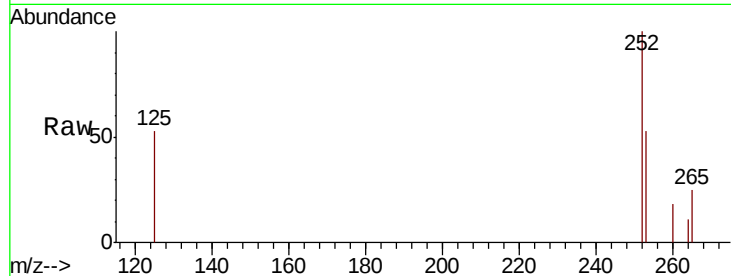
#21
Benzo(b)fluoranthene
Concen: 2.464 ng/ul m
RT: 22.51 min Scan# 4581
Delta R.T. 0.01 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Instrument :
BNA_N
ClientSampleId :
C0AD8

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	53.3	0.0	59.6
125	52.9	0.0	26.0

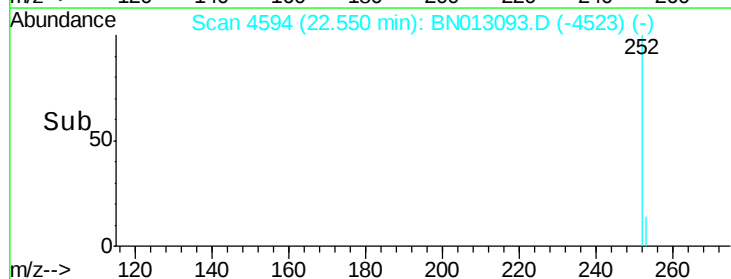
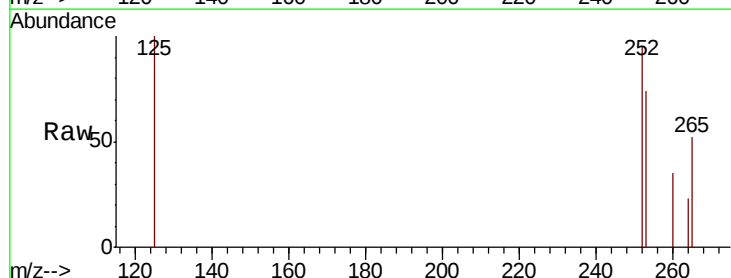
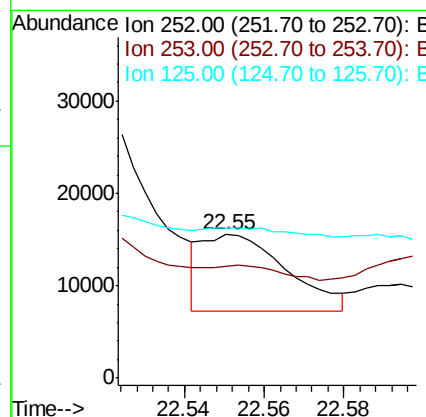
Manual Integrations
APPROVED

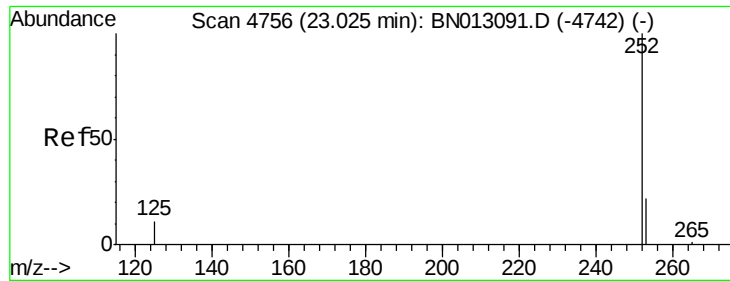
mohammad
12/15/2020 12:17:01 PM



#22
Benzo(k)fluoranthene
Concen: 0.535 ng/ul m
RT: 22.55 min Scan# 4594
Delta R.T. 0.01 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	77.8	23.4	35.2
125	105.0	11.1	16.7





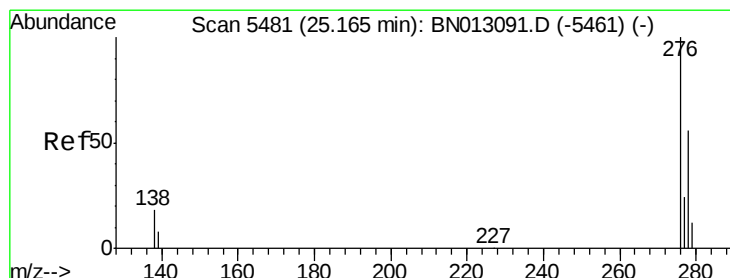
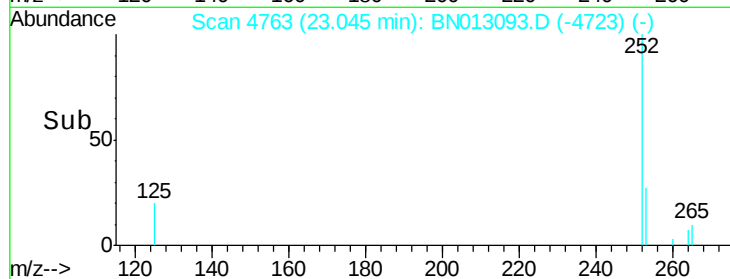
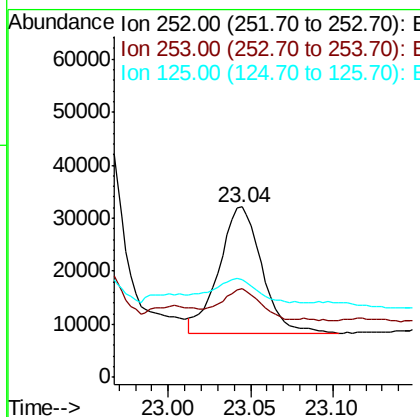
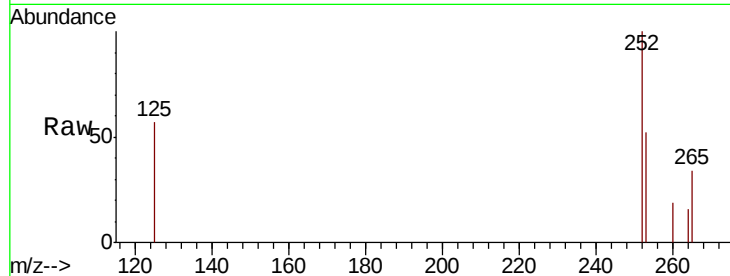
#23
Benzo(a)pyrene
Concen: 2.254 ng/u1
RT: 23.04 min Scan# 4763
Delta R.T. 0.02 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Instrument :
BNA_N
ClientSampleId :
C0AD8

Tot Ion	Ratio	Lower	Upper
252	100		
253	51.8	26.5	39.7#
125	57.4	14.2	21.2#

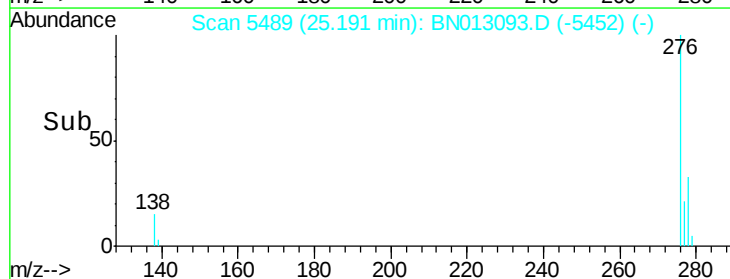
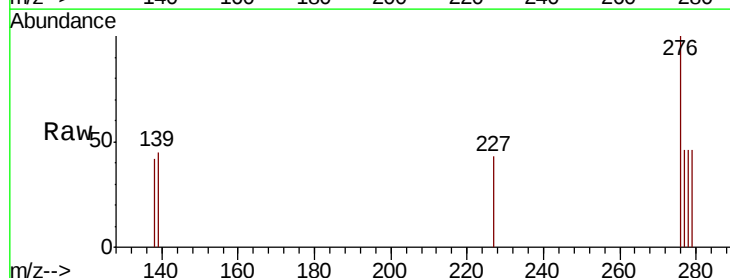
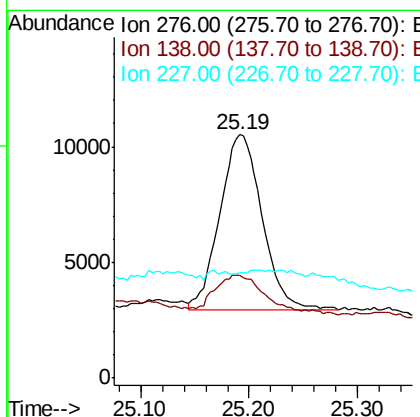
Manual Integrations
APPROVED

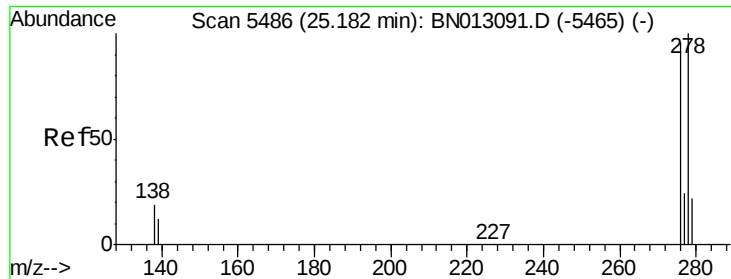
mohammad
12/15/2020 12:17:01 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.814 ng/u1
RT: 25.19 min Scan# 5489
Delta R.T. 0.02 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	16.2	24.2#
227	0.0	0.0	0.0





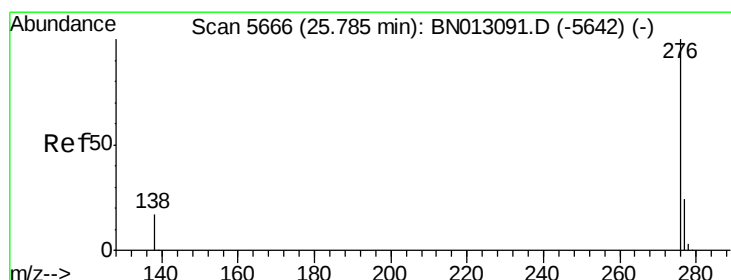
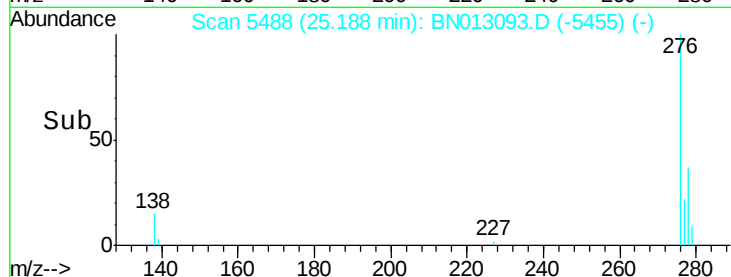
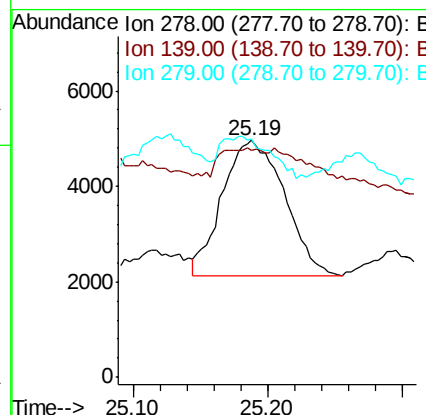
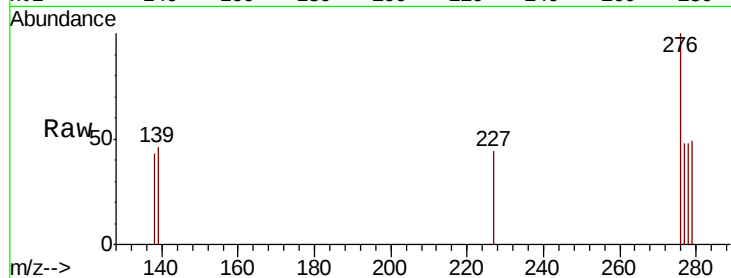
#25
Dibenzo(a,h)anthracene
Concen: 0.455 ng/u1
RT: 25.19 min Scan# 5488
Delta R.T. 0.01 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Instrument :
BNA_N
ClientSampleId :
C0AD8

Tot Ion	Ratio	Lower	Upper
278	100		
139	96.0	14.5	21.7#
279	100.7	26.3	39.5#

Manual Integrations
APPROVED

mohammad
12/15/2020 12:17:01 PM



#26
Benzo(g,h,i)perylene
Concen: 1.213 ng/u1
RT: 25.82 min Scan# 5677
Delta R.T. 0.03 min
Lab File: BN013093.D
Acq: 12 Dec 2020 16:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	16.3	24.5#
277	40.6	21.8	32.6#

