

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121420\
 Data File : BN013112.D
 Acq On : 14 Dec 2020 12:29
 Operator : CG/JU
 Sample : L5063-06DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AD8DL

Manual Integrations
 APPROVED

mohammad
 12/15/2020 12:12:30 PM

Quant Time: Dec 14 13:04:37 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 11:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1447	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	5082	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.04	164	3577	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	5256	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3754	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3300	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.73	152	473	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	706	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.18	128	8577	0.583	ng/ul	95
5) 2-Methylnaphthalene	11.81	142	18394	1.904	ng/ul	98
7) Acenaphthylene	13.76	152	1263	0.075	ng/ul#	1
8) Acenaphthene	14.10	153	647	0.047	ng/ul#	67
9) Fluorene	15.10	166	1628	0.102	ng/ul#	23
11) Pentachlorophenol	16.46	266	56	0.037	ng/ul#	84
12) Phenanthrene	16.84	178	44093	2.502	ng/ul	96
13) Anthracene	16.93	178	2627	0.175	ng/ul#	64
15) Fluoranthene	18.87	202	14087	0.673	ng/ul	91
17) Pyrene	19.24	202	70003	3.948	ng/ul	98
18) Benzo(a)anthracene	21.01	228	7988	0.514	ng/ul#	14
19) Chrysene	21.07	228	10294	0.600	ng/ul#	53
21) Benzo(b)fluoranthene	22.52	252	9866m	0.646	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	1886m	0.112	ng/ul	
23) Benzo(a)pyrene	23.04	252	6877	0.485	ng/ul#	13
24) Indeno(1,2,3-cd)pyrene	25.19	276	3181	0.171	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.19	278	1444	0.098	ng/ul#	1
26) Benzo(g,h,i)perylene	25.83	276	5300	0.315	ng/ul#	43

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

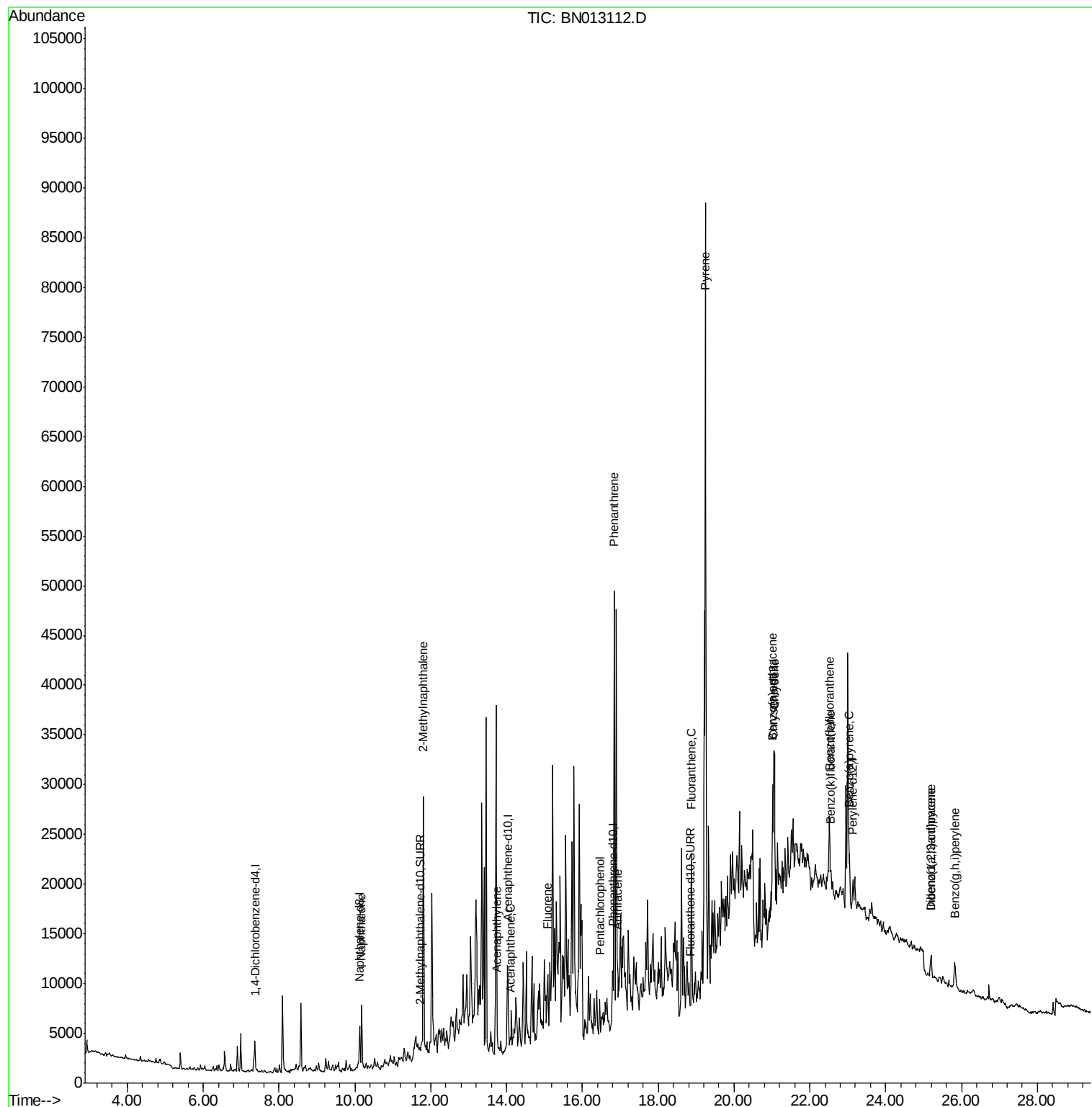
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121420\
Data File : BN013112.D
Acq On : 14 Dec 2020 12:29
Operator : CG/JU
Sample : L5063-06DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

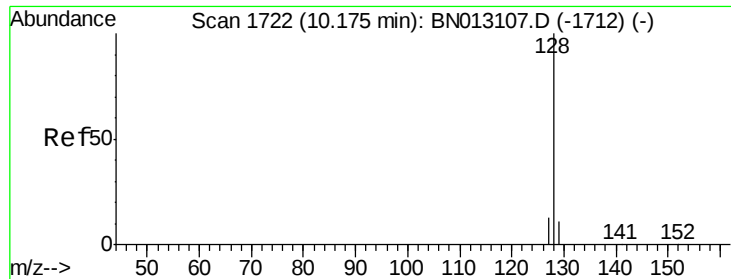
Instrument :
BNA_N
ClientSampleId :
C0AD8DL

Quant Time: Dec 14 13:04:37 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 11:29:45 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:30 PM





#3

Naphthalene

Concen: 0.583 ng/ul

RT: 10.18 min Scan# 1723

Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

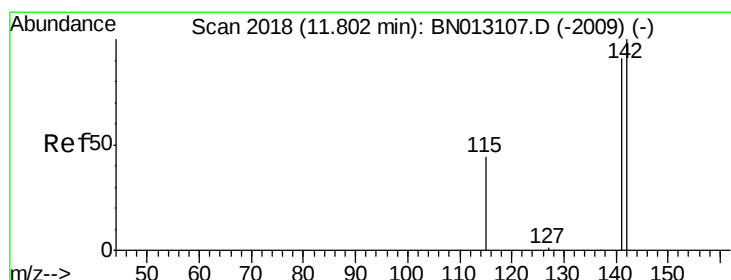
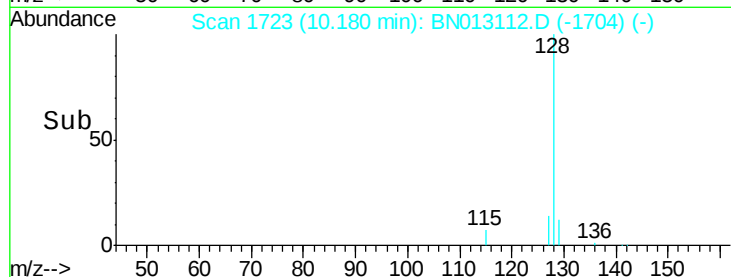
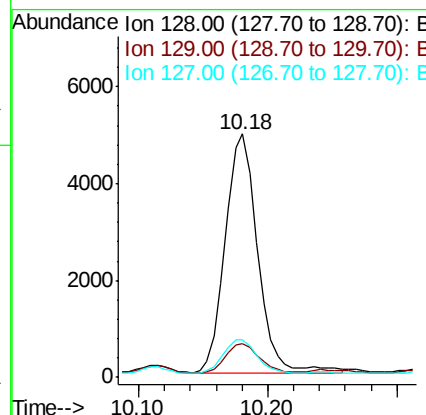
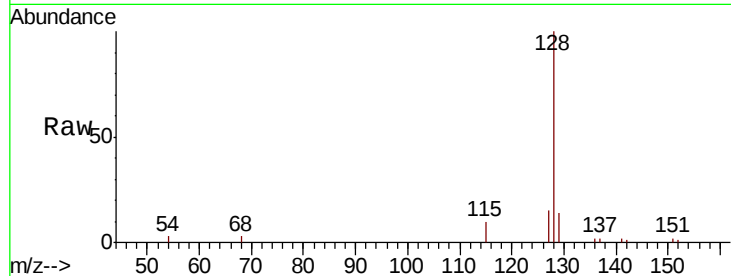
ClientSampleId :

C0AD8DL

Tot Ion:	128	Resp:	8577
Ion	Ratio	Lower	Upper
128	100		
129	14.0	12.3	18.5
127	15.2	14.2	21.4

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:30 PM



#5

2-Methylnaphthalene

Concen: 1.904 ng/ul

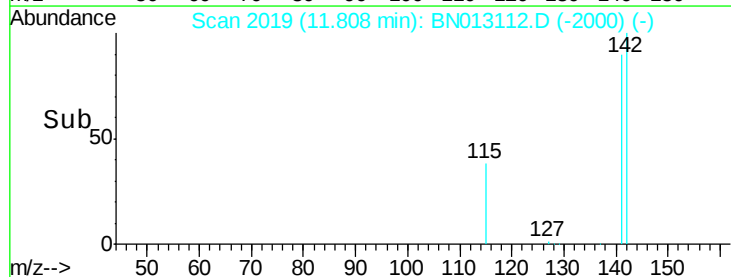
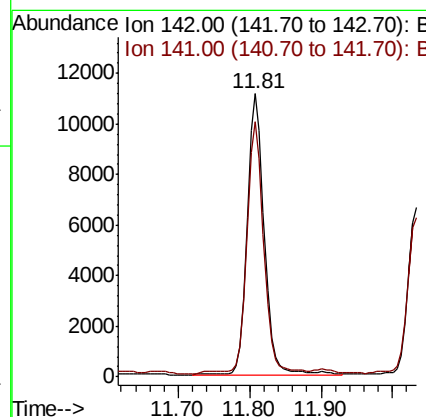
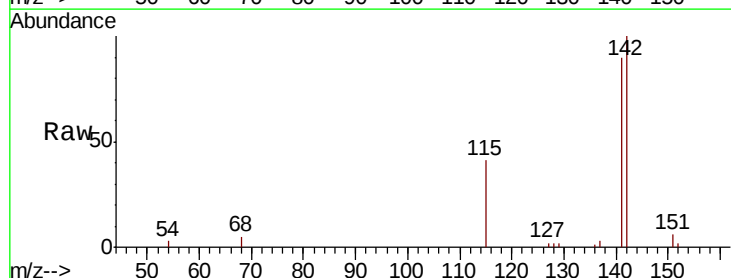
RT: 11.81 min Scan# 2019

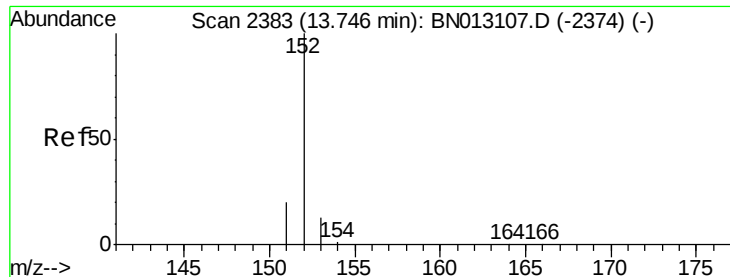
Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Tgt Ion:	142	Resp:	18394
Ion	Ratio	Lower	Upper
142	100		
141	89.7	73.0	109.6





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.76 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

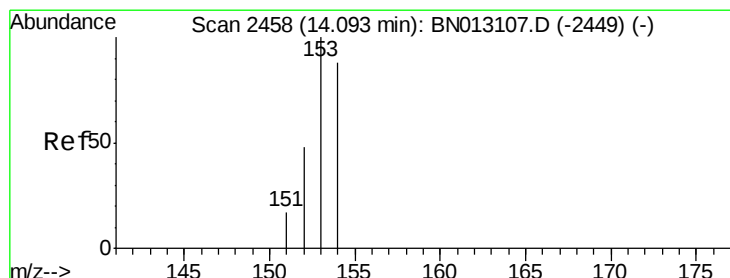
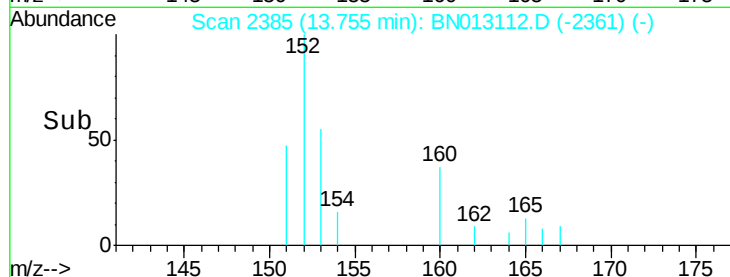
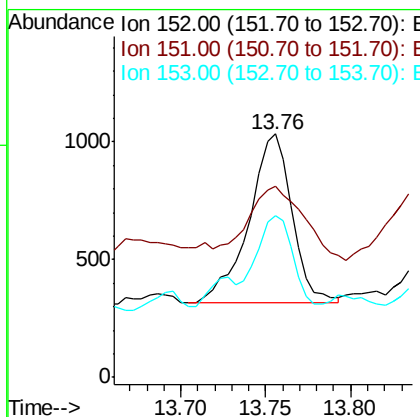
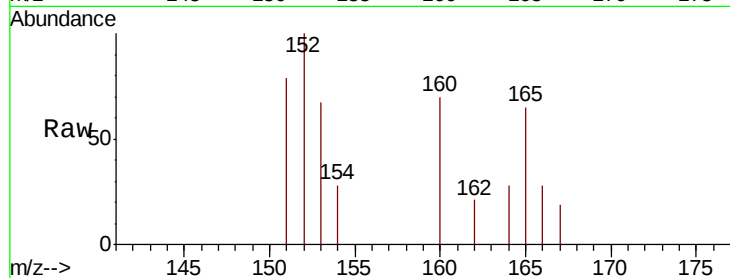
ClientSampleId :

C0AD8DL

Tot Ion:	152	Resp:	1263
Ion Ratio	Lower	Upper	
152	100		
151	78.5	18.2	27.4#
153	66.6	13.1	19.7#

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:30 PM



#8

Acenaphthene

Concen: 0.047 ng/ul

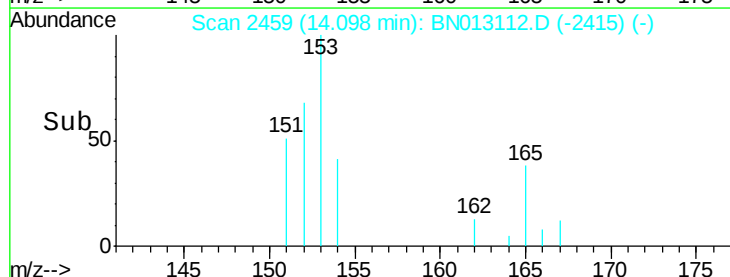
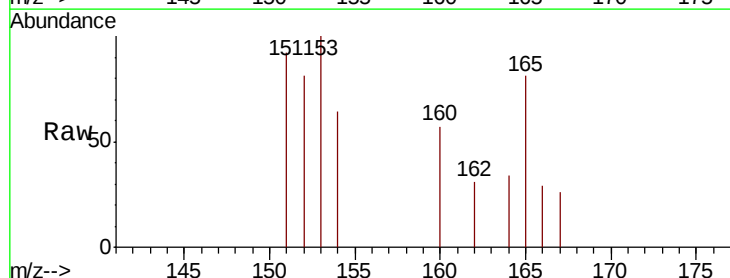
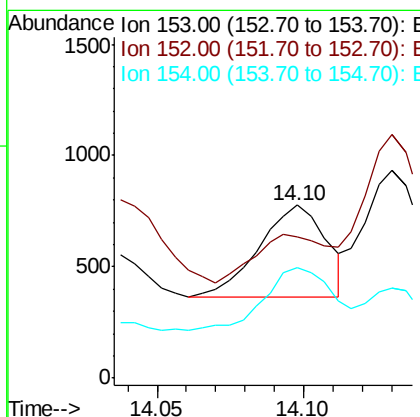
RT: 14.10 min Scan# 2459

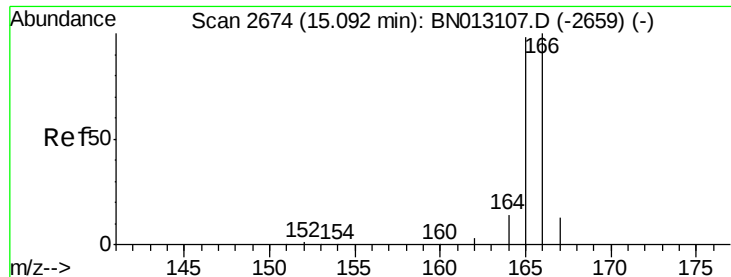
Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Tgt Ion:	153	Resp:	647
Ion Ratio	Lower	Upper	
153	100		
152	81.5	40.7	61.1#
154	64.1	70.8	106.2#





#9

Fluorene

Concen: 0.102 ng/ul

RT: 15.10 min Scan# 2675

Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

ClientSampleId :

C0AD8DL

Tot Ion:166 Resp: 1628

Ion Ratio Lower Upper

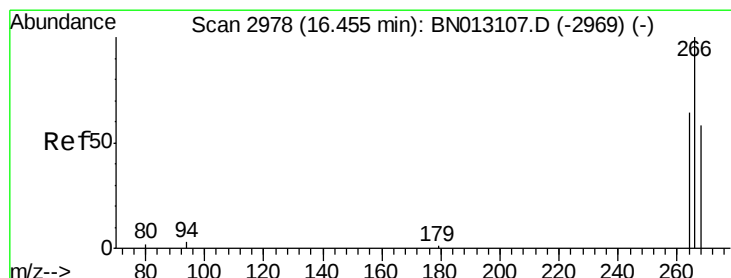
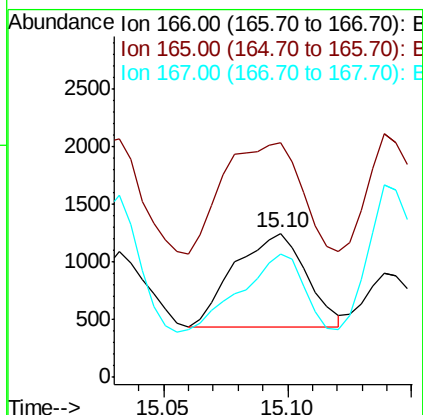
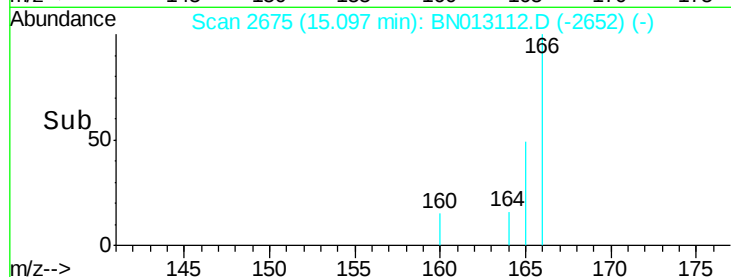
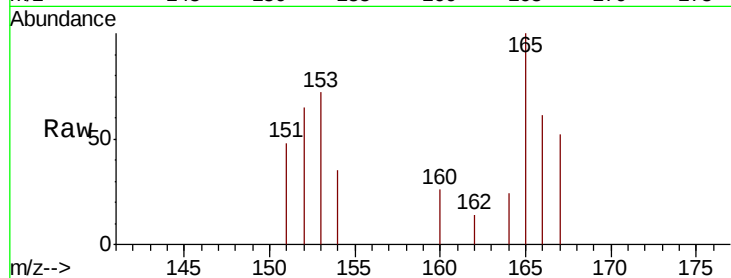
166 100

165 163.1 79.8 119.8#

167 85.5 13.8 20.8#

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:30 PM



#11

Pentachlorophenol

Concen: 0.037 ng/ul

RT: 16.46 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

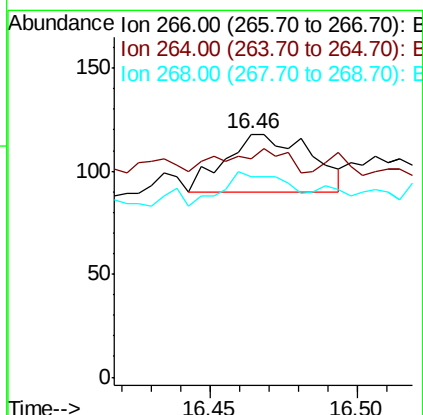
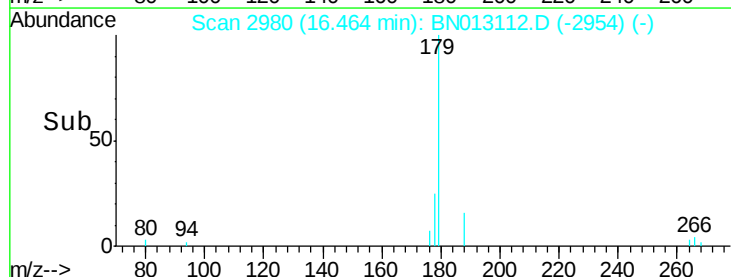
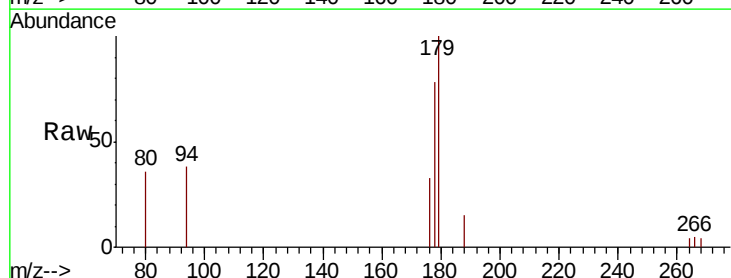
Tgt Ion:266 Resp: 56

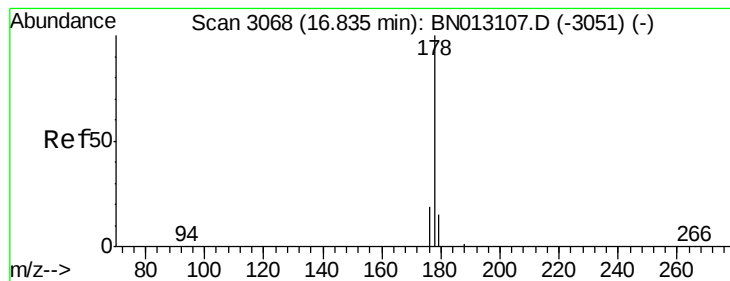
Ion Ratio Lower Upper

266 100

264 41.1 51.5 77.3#

268 67.9 56.0 84.0





#12

Phenanthrene

Concen: 2.502 ng/ul

RT: 16.84 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

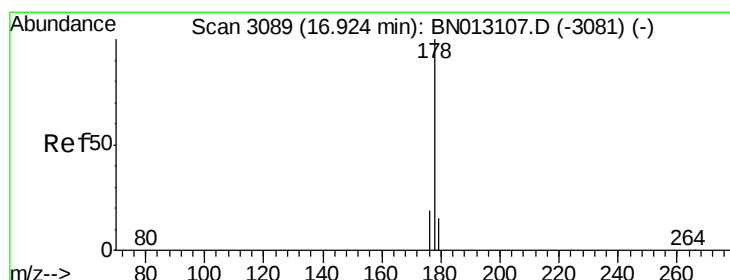
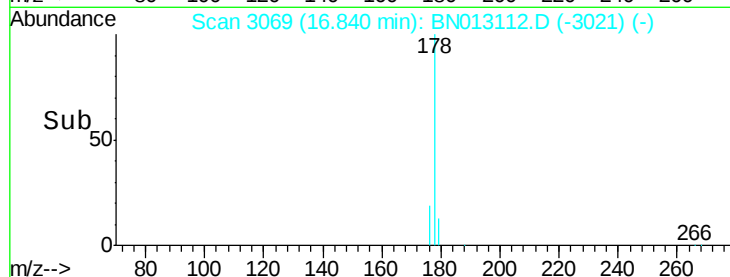
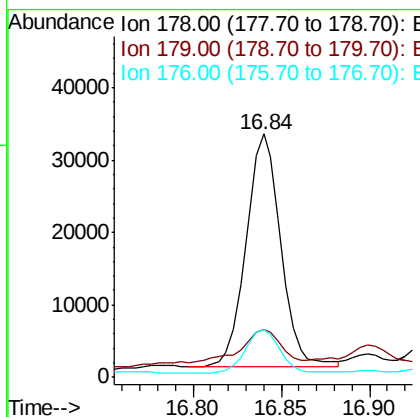
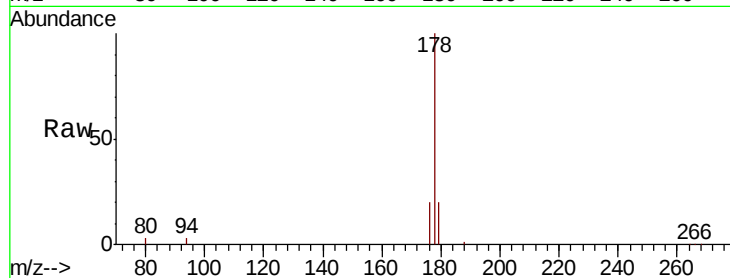
ClientSampleId :

C0AD8DL

Tot Ion:	178	Resp:	44093
Ion Ratio	Lower	Upper	
178	100		
179	19.9	13.6	20.4
176	19.8	16.4	24.6

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:30 PM



#13

Anthracene

Concen: 0.175 ng/ul

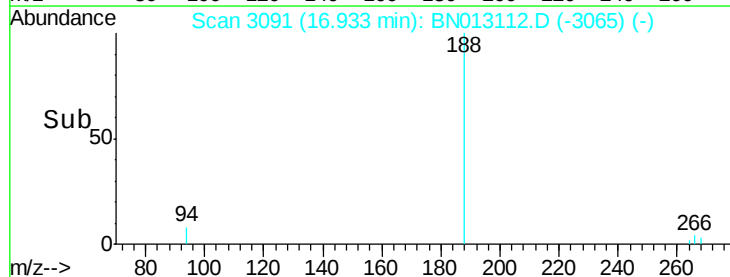
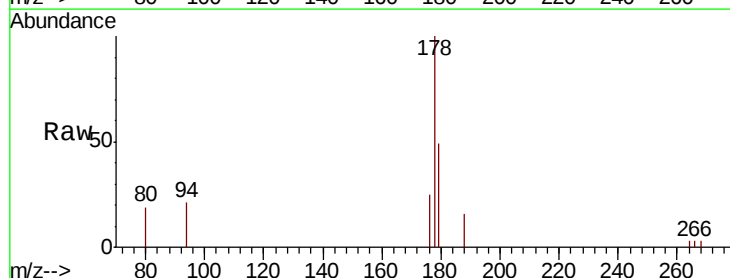
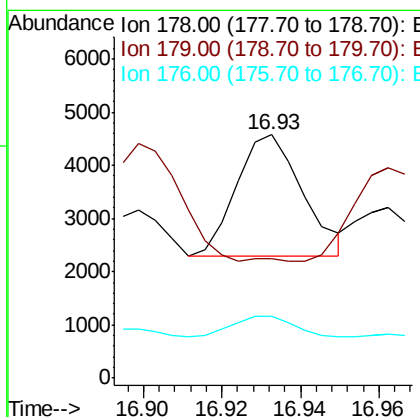
RT: 16.93 min Scan# 3091

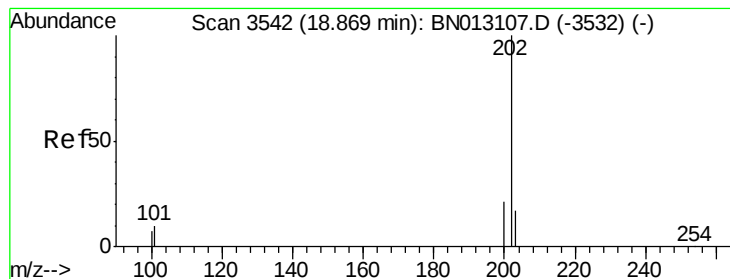
Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Tgt Ion:	178	Resp:	2627
Ion Ratio	Lower	Upper	
178	100		
179	48.9	14.6	21.8#
176	25.3	17.1	25.7





#15

Fluoranthene

Concen: 0.673 ng/ul

RT: 18.87 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

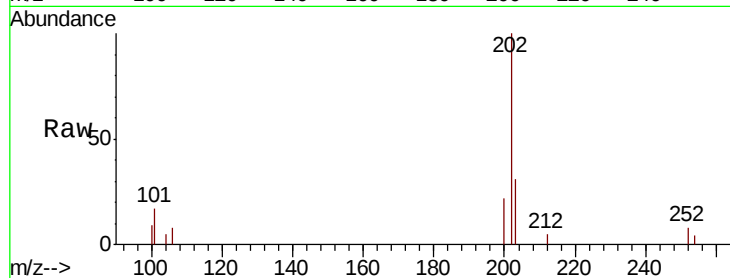
ClientSampleId :

C0AD8DL

Tot Ion:	202	Resp:	14087
Ion Ratio	Lower	Upper	
202	100		
101	16.5	0.0	30.6
100	8.8	0.0	28.7

Manual Integrations
APPROVED

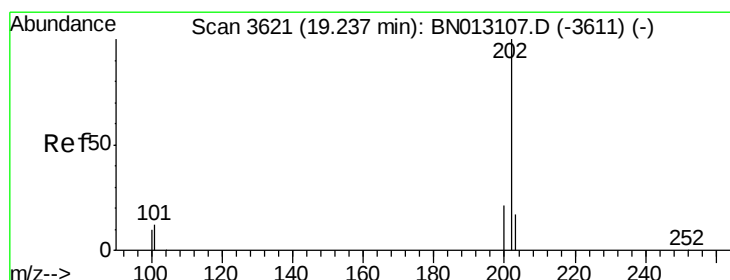
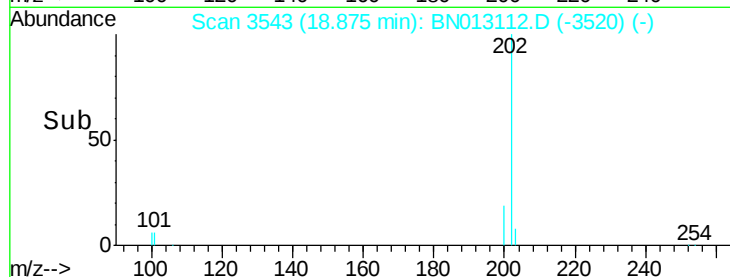
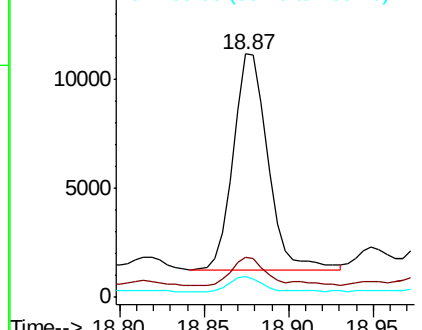
mohammad
12/15/2020 12:12:30 PM



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



#17

Pyrene

Concen: 3.948 ng/ul

RT: 19.24 min Scan# 3622

Delta R.T. 0.01 min

Lab File: BN013112.D

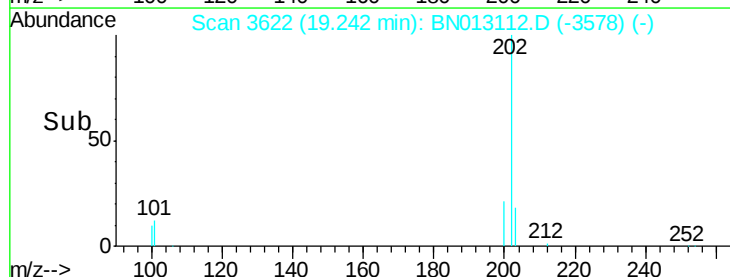
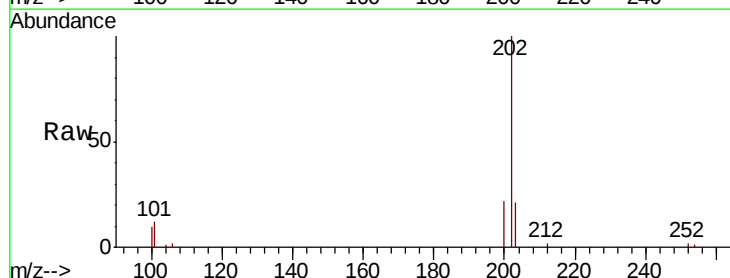
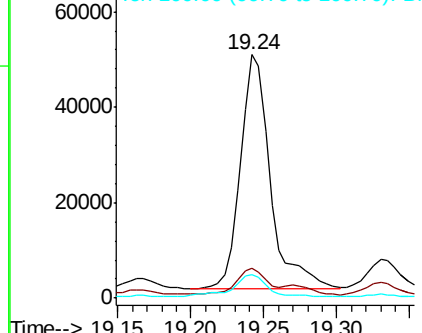
Acq: 14 Dec 2020 12:29

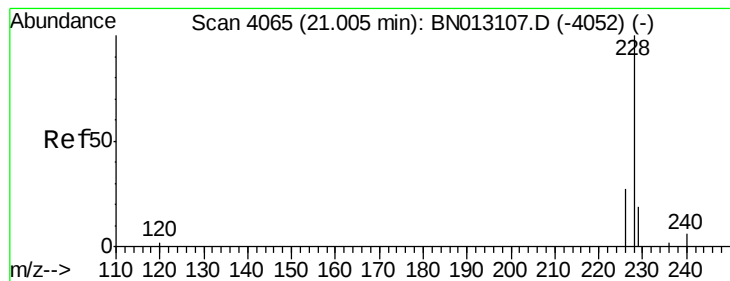
Tgt Ion:	202	Resp:	70003
Ion Ratio	Lower	Upper	
202	100		
101	12.5	9.1	13.7
100	9.8	7.5	11.3

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





#18

Benzo(a)anthracene

Concen: 0.514 ng/ul

RT: 21.01 min Scan# 4068

Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

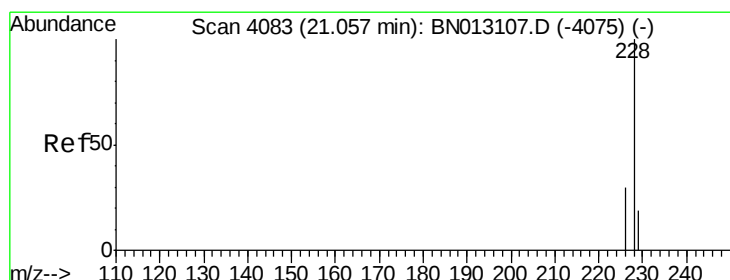
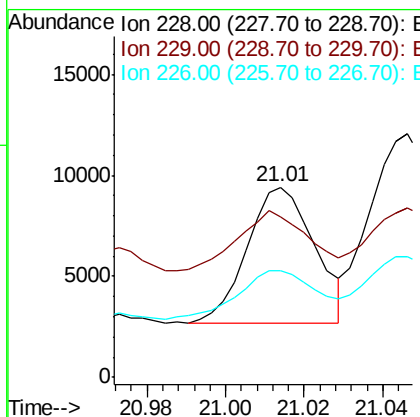
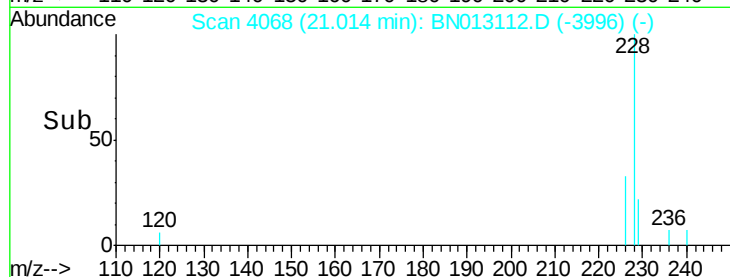
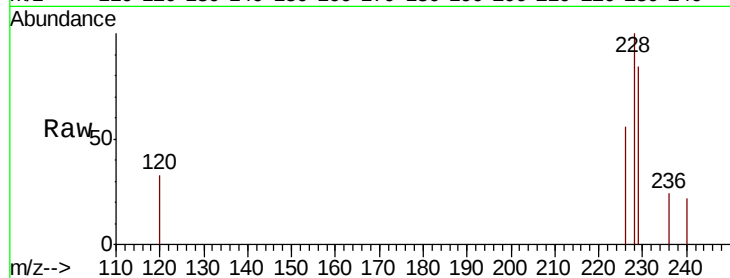
ClientSampleId :

C0AD8DL

Tot Ion:	228	Resp:	7988
Ion Ratio	Lower	Upper	
228	100		
229	84.4	16.3	24.5#
226	56.0	23.4	35.2#

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:30 PM



#19

Chrysene

Concen: 0.600 ng/ul

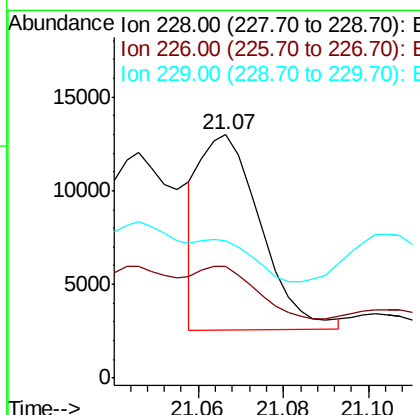
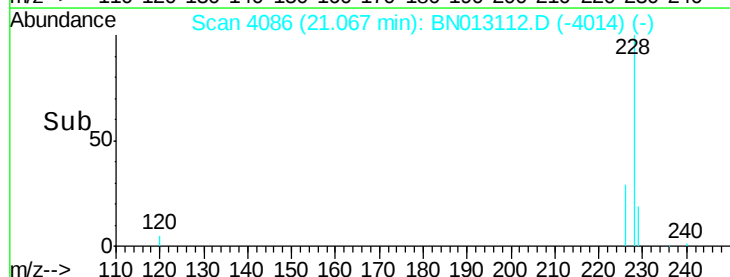
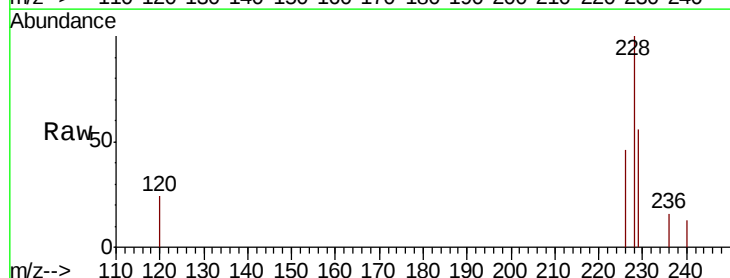
RT: 21.07 min Scan# 4086

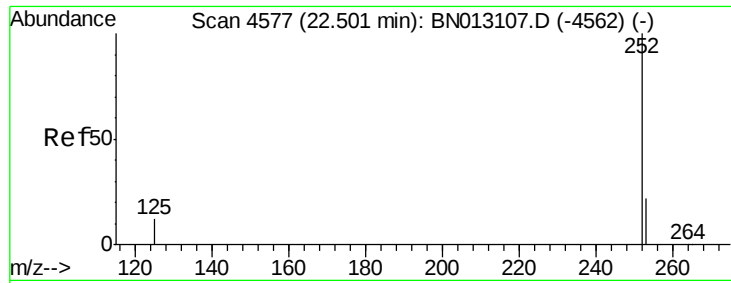
Delta R.T. 0.01 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Tgt Ion:	228	Resp:	10294
Ion Ratio	Lower	Upper	
228	100		
226	45.8	25.0	37.6#
229	56.5	16.4	24.6#





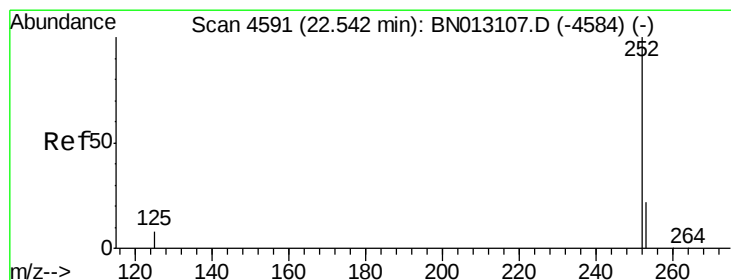
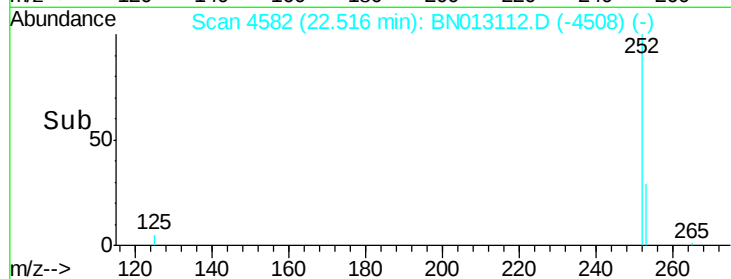
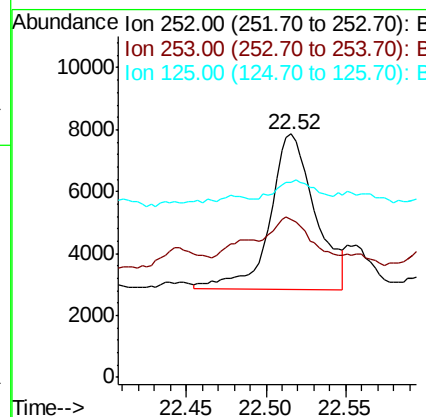
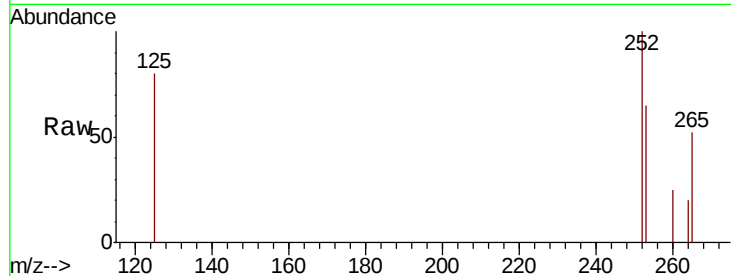
#21
Benzo(b)fluoranthene
Concen: 0.646 ng/ul m
RT: 22.52 min Scan# 4582
Delta R.T. 0.02 min
Lab File: BN013112.D
Acq: 14 Dec 2020 12:29

Instrument :
BNA_N
ClientSampleId :
C0AD8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	65.0	0.0	59.6#
125	80.0	0.0	26.0#

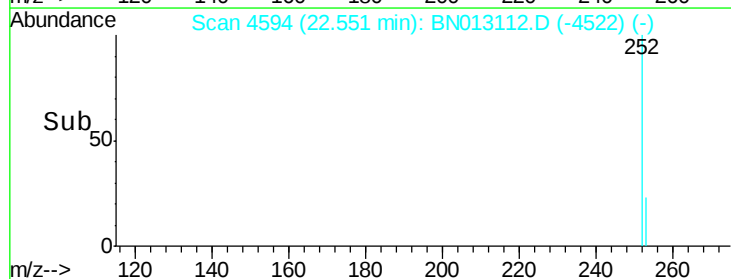
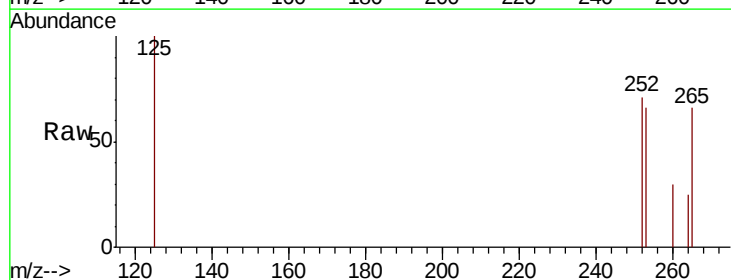
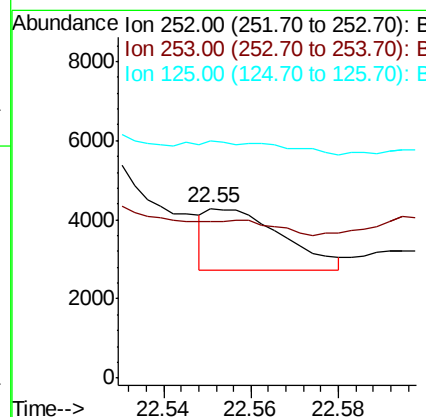
Manual Integrations
APPROVED

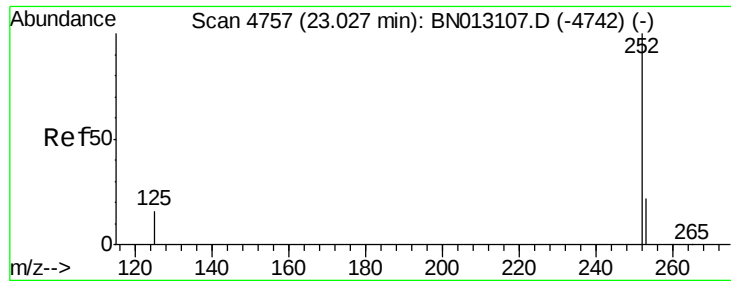
mohammad
12/15/2020 12:12:30 PM



#22
Benzo(k)fluoranthene
Concen: 0.112 ng/ul m
RT: 22.55 min Scan# 4594
Delta R.T. 0.01 min
Lab File: BN013112.D
Acq: 14 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	92.4	23.4	35.2#
125	139.9	11.1	16.7#





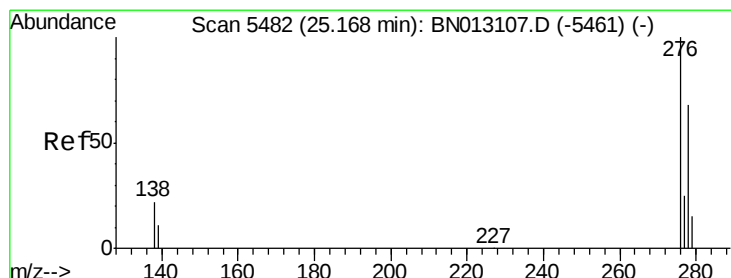
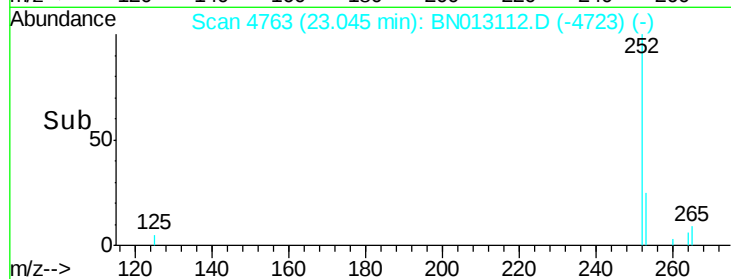
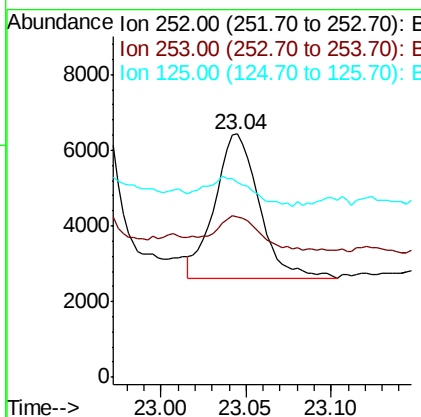
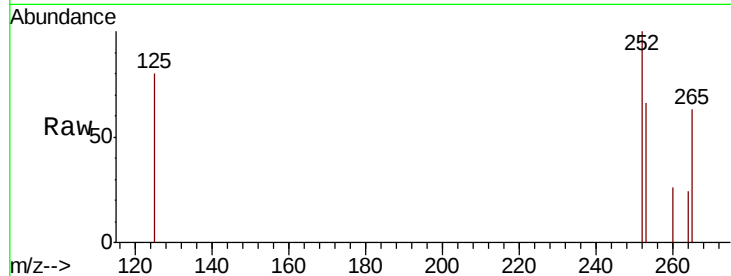
#23
Benzo(a)pyrene
Concen: 0.485 ng/u1
RT: 23.04 min Scan# 4763
Delta R.T. 0.02 min
Lab File: BN013112.D
Acq: 14 Dec 2020 12:29

Instrument :
BNA_N
ClientSampleId :
C0AD8DL

Tot Ion:252 Resp: 6877
Ion Ratio Lower Upper
252 100
253 66.1 26.5 39.7#
125 80.2 14.2 21.2#

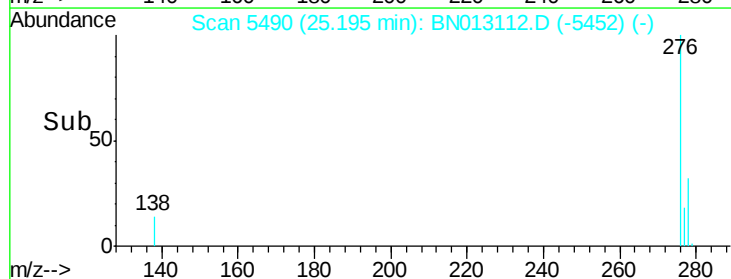
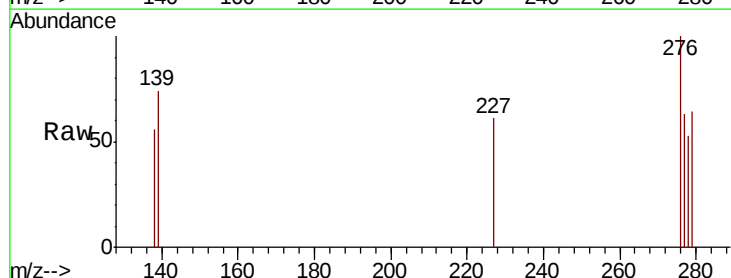
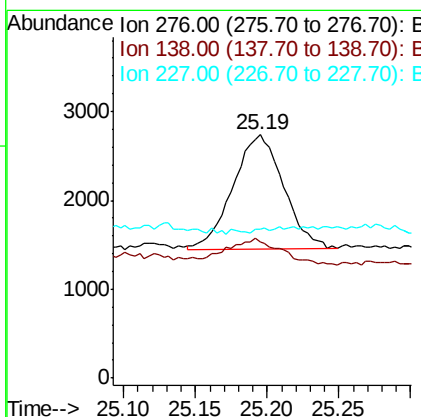
Manual Integrations
APPROVED

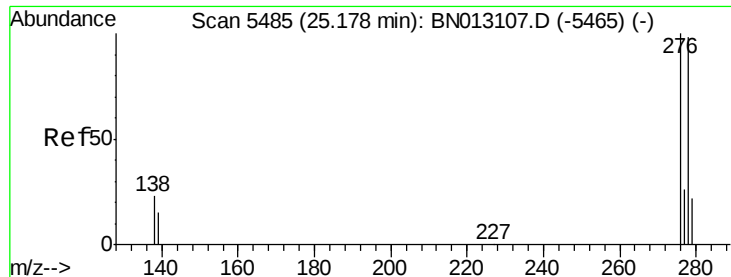
mohammad
12/15/2020 12:12:30 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.171 ng/u1
RT: 25.19 min Scan# 5490
Delta R.T. 0.03 min
Lab File: BN013112.D
Acq: 14 Dec 2020 12:29

Tgt Ion:276 Resp: 3181
Ion Ratio Lower Upper
276 100
138 24.6 16.2 24.2#
227 1.2 0.0 0.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.098 ng/u1

RT: 25.19 min Scan# 5490

Delta R.T. 0.02 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

Instrument :

BNA_N

ClientSampleId :

C0AD8DL

Tot Ion:278 Resp: 1444

Ion Ratio Lower Upper

278 100

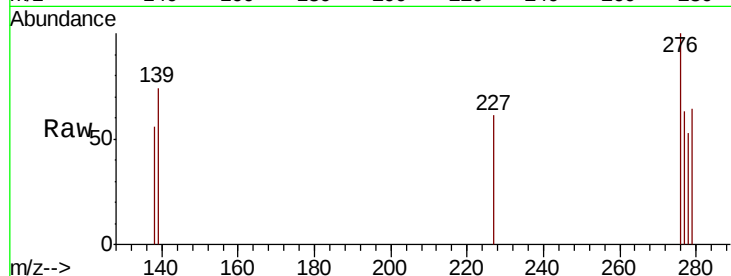
139 138.5 14.5 21.7#

279 120.6 26.3 39.5#

Manual Integrations
APPROVED

mohammad

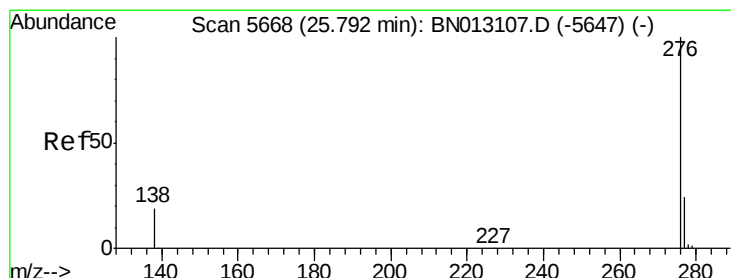
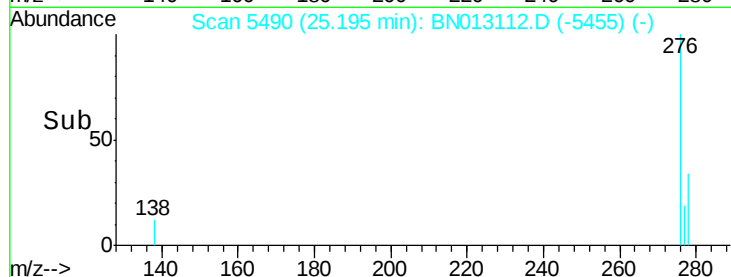
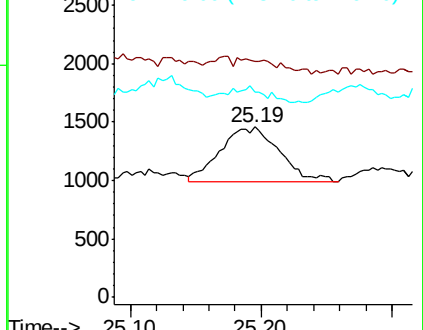
12/15/2020 12:12:30 PM



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(g,h,i)perylene

Concen: 0.315 ng/u1

RT: 25.83 min Scan# 5678

Delta R.T. 0.03 min

Lab File: BN013112.D

Acq: 14 Dec 2020 12:29

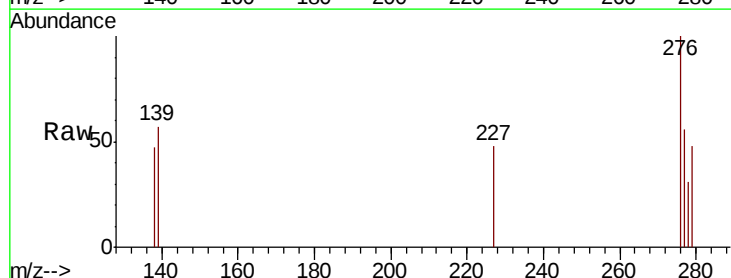
Tgt Ion:276 Resp: 5300

Ion Ratio Lower Upper

276 100

138 47.1 16.3 24.5#

277 56.3 21.8 32.6#



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

