

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008676.D
 Acq On : 21 Nov 2019 00:32
 Operator : JU
 Sample : K5851-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AB3

Manual Integrations
 APPROVED

mohammad
 11/21/2019 1:06:41 PM

Quant Time: Nov 21 01:30:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 00:43:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4386	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	16288	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.24	164	9958	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	18377	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13748	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	14015	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4319	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	10646	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	107090	2.181	ng/ul	98
5) 2-Methylnaphthalene	12.04	142	94212	2.748	ng/ul	100
7) Acenaphthylene	13.95	152	15057	0.273	ng/ul#	91
8) Acenaphthene	14.30	153	16270	0.398	ng/ul	91
9) Fluorene	15.29	166	21723	0.453	ng/ul#	89
12) Phenanthrene	17.03	178	546732	8.822	ng/ul	98
13) Anthracene	17.11	178	51044	0.872	ng/ul#	94
15) Fluoranthene	19.05	202	742370	9.750	ng/ul	95
17) Pyrene	19.41	202	581113	10.536	ng/ul	98
18) Benzo(a)anthracene	21.17	228	148254	2.682	ng/ul#	94
19) Chrysene	21.22	228	225320	4.149	ng/ul#	96
21) Benzo(b)fluoranthene	22.71	252	213956m	3.702	ng/ul	
22) Benzo(k)fluoranthene	22.75	252	78887m	1.376	ng/ul	
23) Benzo(a)pyrene	23.26	252	115913	2.137	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.50	276	82047	1.293	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.50	278	22127	0.432	ng/ul#	11
26) Benzo(a,h,i)perylene	26.15	276	87357	1.646	ng/ul#	91

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

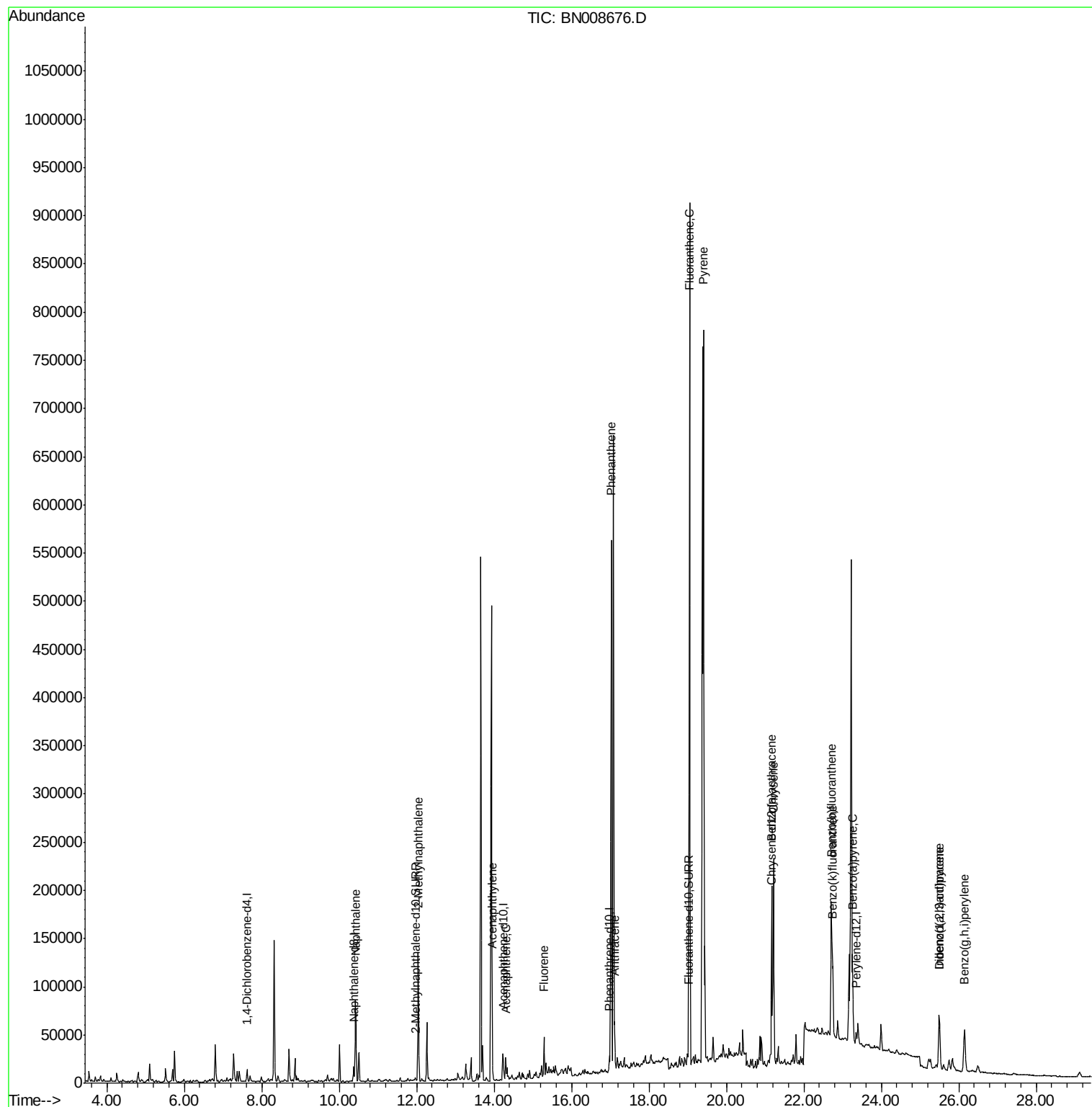
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
Data File : BN008676.D
Acq On : 21 Nov 2019 00:32
Operator : JU
Sample : K5851-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

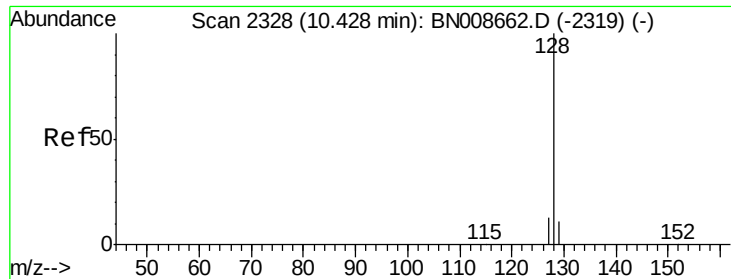
Instrument :
BNA_N
ClientSampleId :
C0AB3

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:41 PM

Quant Time: Nov 21 01:30:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 00:43:05 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.181 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Instrument :

BNA_N

ClientSampled :

C0AB3

Tot Ion:128 Resp: 107090

Ion Ratio Lower Upper

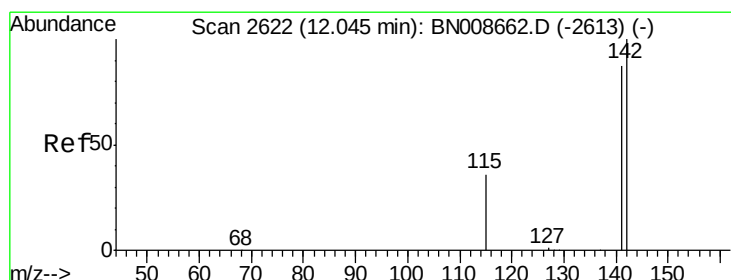
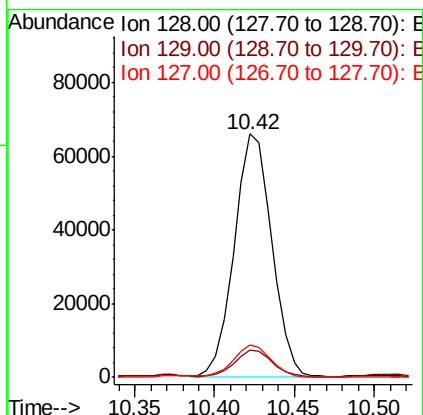
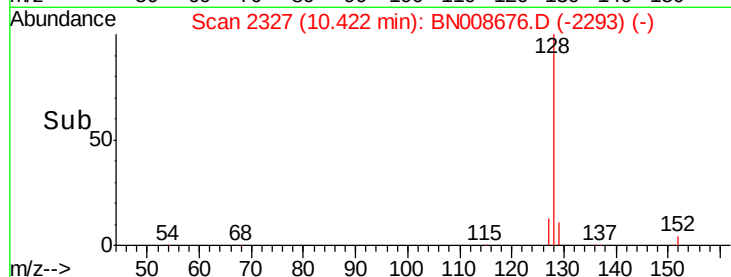
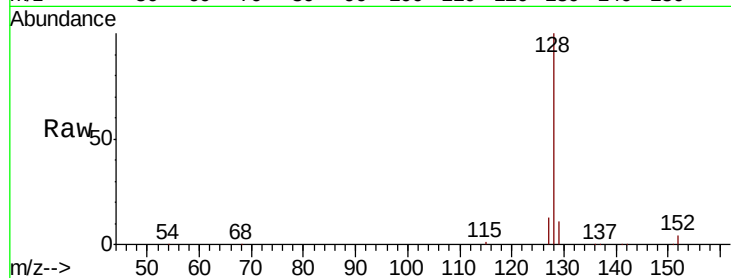
128 100

129 11.0 9.7 14.5

127 13.1 10.8 16.2

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:41 PM



#5

2-Methylnaphthalene

Concen: 2.748 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008676.D

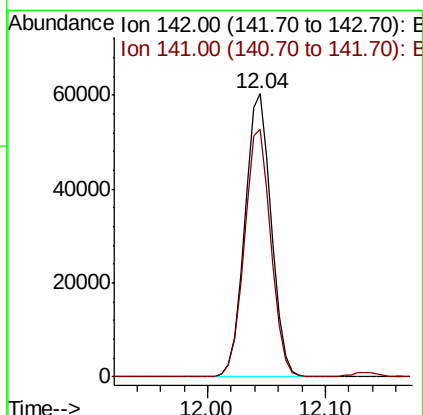
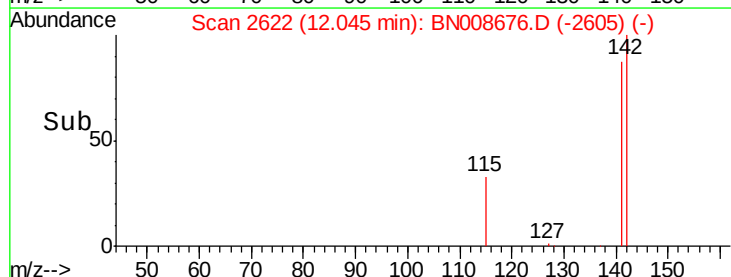
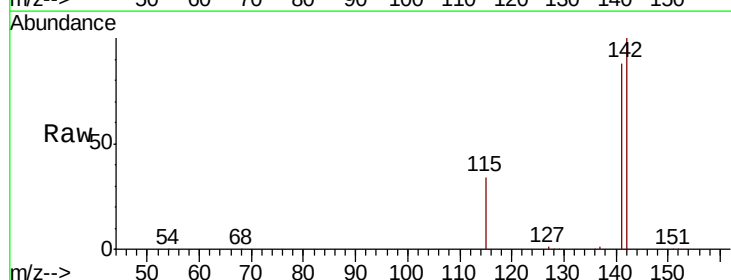
Acq: 21 Nov 2019 00:32

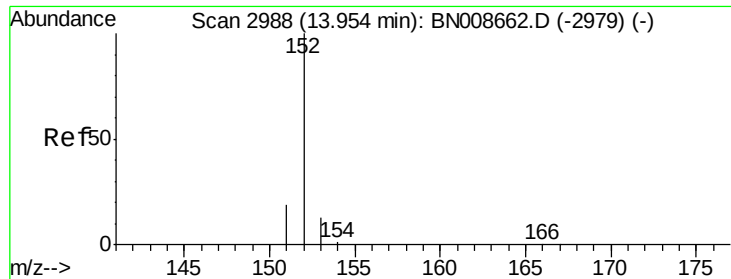
Tgt Ion:142 Resp: 94212

Ion Ratio Lower Upper

142 100

141 87.9 70.5 105.7





#7

Acenaphthylene

Concen: 0.273 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Instrument :

BNA_N

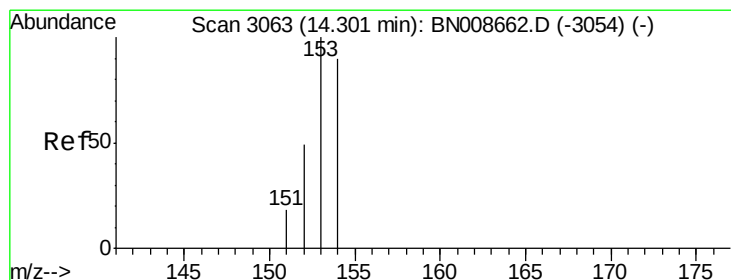
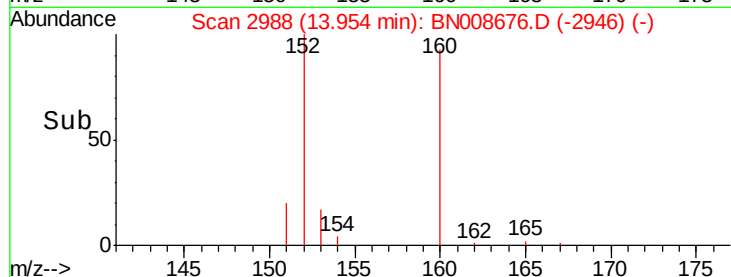
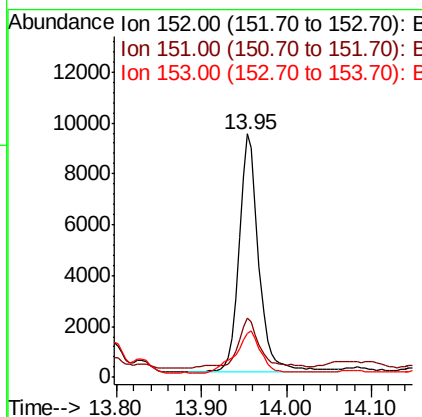
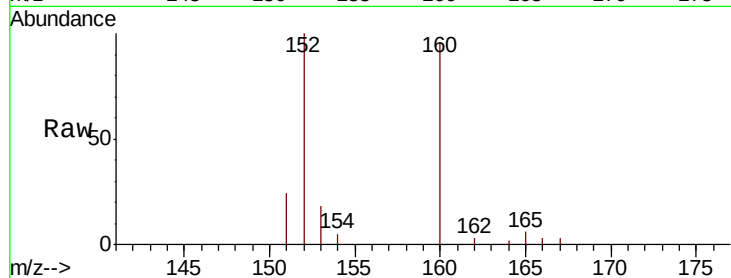
ClientSampled :

C0AB3

Tot Ion:	152	Resp:	15057
Ion Ratio	Lower	Upper	
152	100		
151	24.3	16.6	24.8
153	18.2	11.1	16.7#

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:41 PM



#8

Acenaphthene

Concen: 0.398 ng/ul

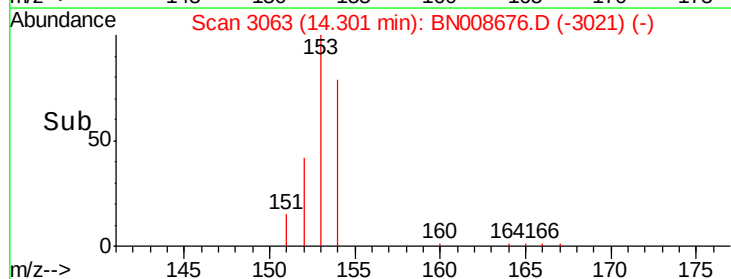
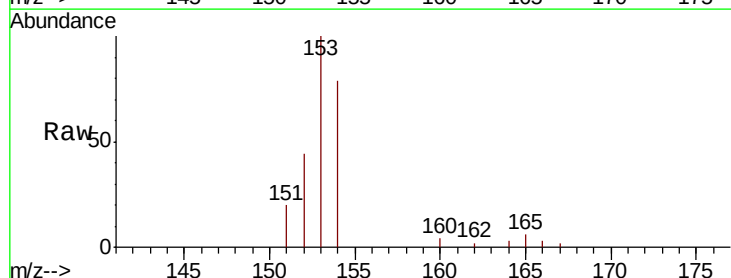
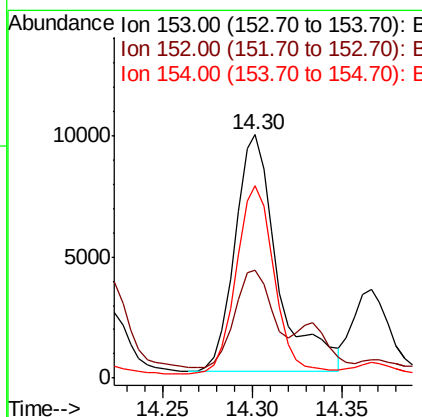
RT: 14.30 min Scan# 3063

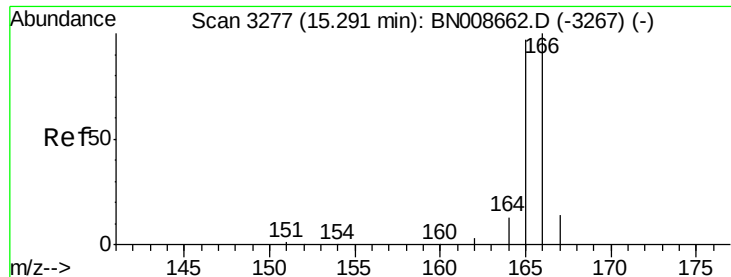
Delta R.T. -0.00 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Tgt Ion:	153	Resp:	16270
Ion Ratio	Lower	Upper	
153	100		
152	44.2	39.6	59.4
154	79.1	70.6	106.0





#9

Fluorene

Concen: 0.453 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Instrument :

BNA_N

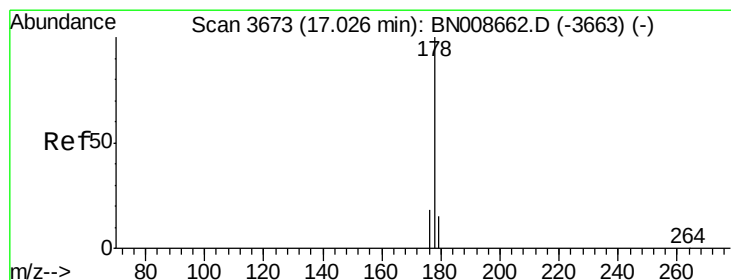
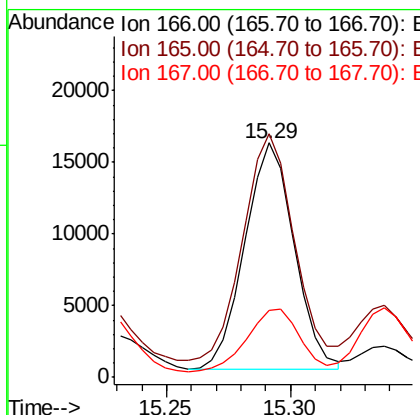
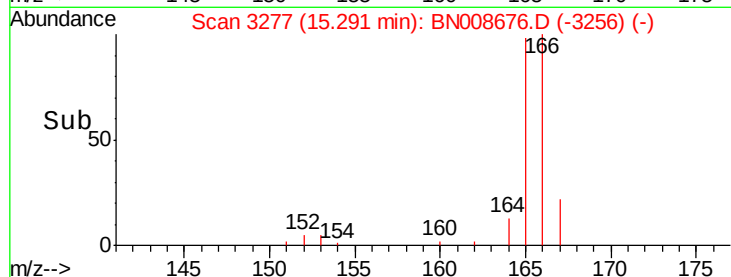
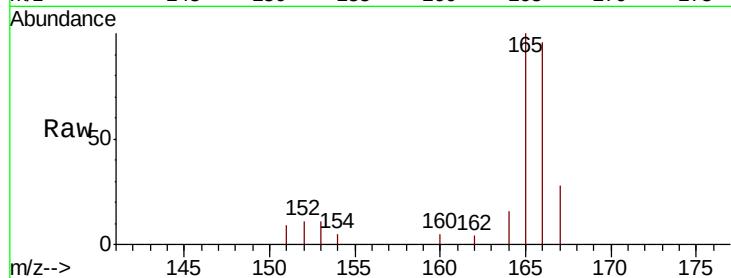
ClientSampleId :

C0AB3

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.0	77.4	116.0
167	28.7	11.4	17.0

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:41 PM



#12

Phenanthrene

Concen: 8.822 ng/ul

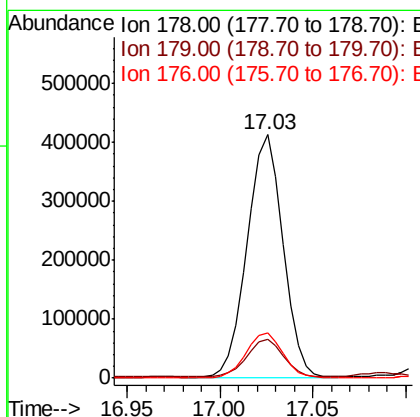
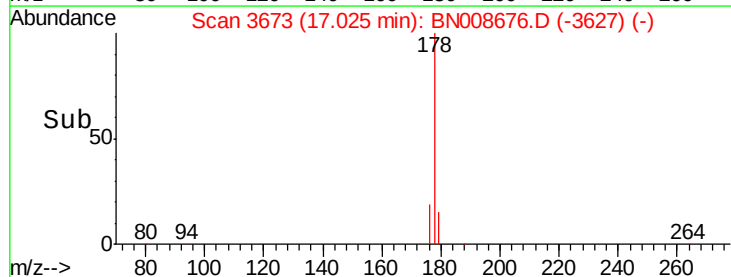
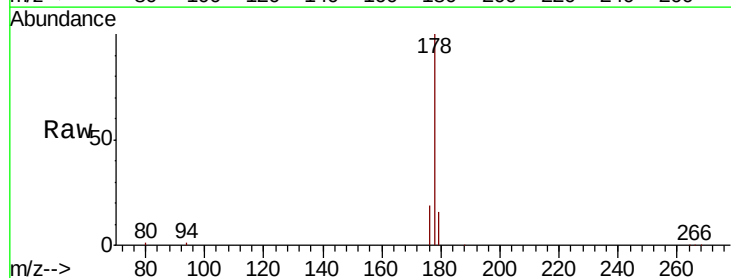
RT: 17.03 min Scan# 3673

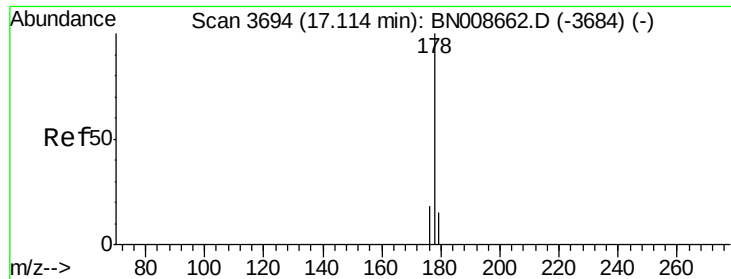
Delta R.T. -0.00 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2
176	18.7	16.0	24.0





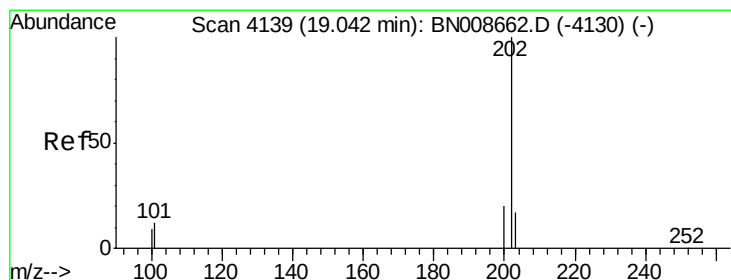
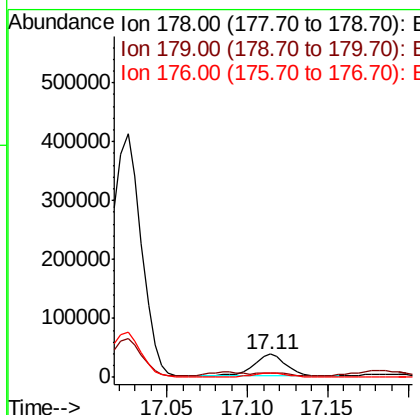
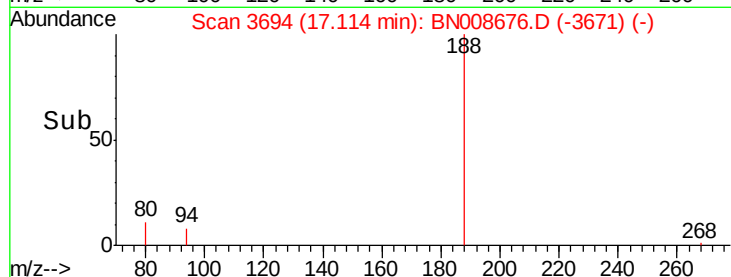
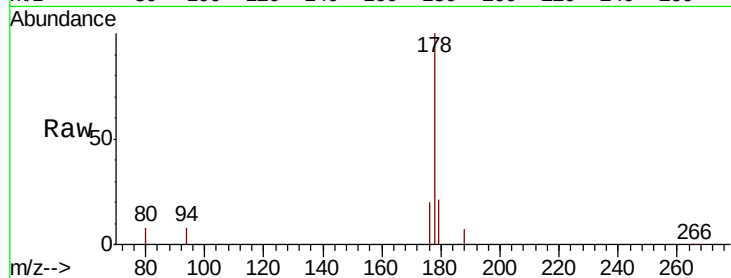
#13
 Anthracene
 Concen: 0.872 ng/ul
 RT: 17.11 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: BN008676.D
 Acq: 21 Nov 2019 00:32

Instrument :
 BNA_N
 ClientSampled :
 C0AB3

Tot Ion:178 Resp: 51044
 Ion Ratio Lower Upper
 178 100
 179 21.1 13.0 19.4#
 176 19.9 15.3 22.9

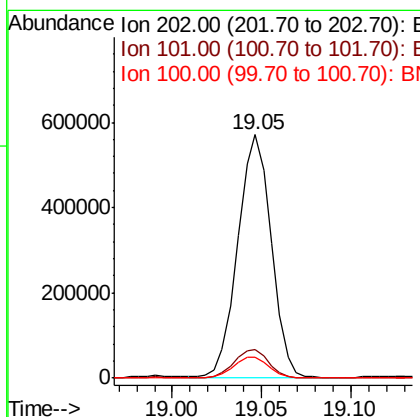
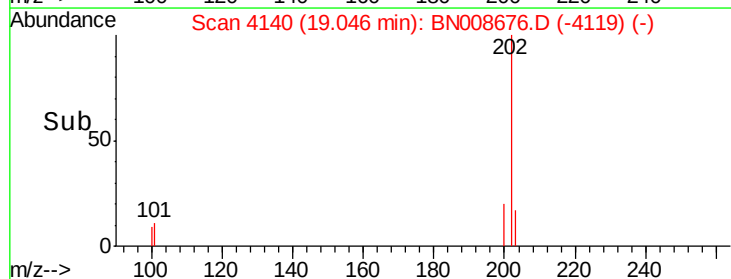
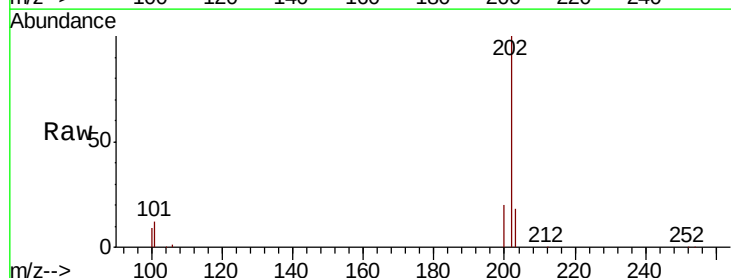
Manual Integrations
 APPROVED

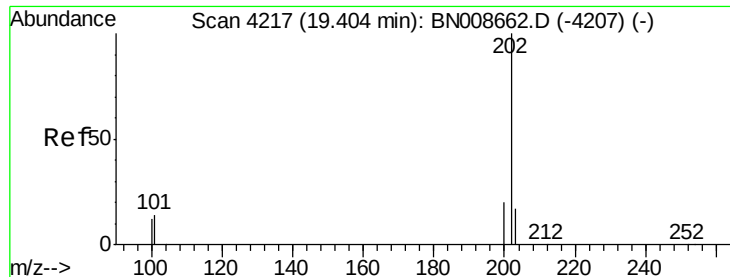
mohammad
 11/21/2019 1:06:41 PM



#15
 Fluoranthene
 Concen: 9.750 ng/ul
 RT: 19.05 min Scan# 4140
 Delta R.T. -0.00 min
 Lab File: BN008676.D
 Acq: 21 Nov 2019 00:32

Tgt Ion:202 Resp: 742370
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 29.6
 100 8.7 0.0 27.0





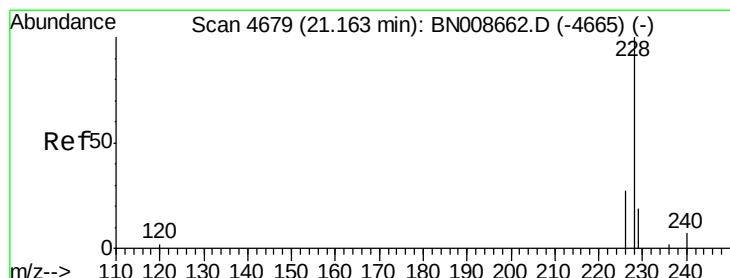
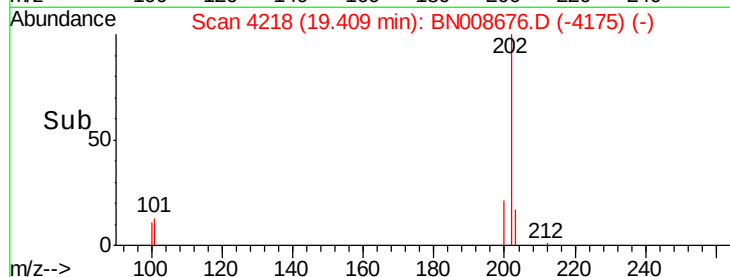
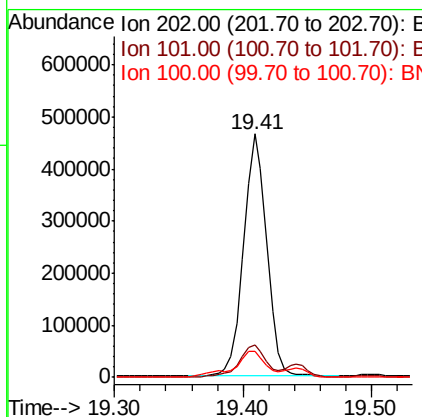
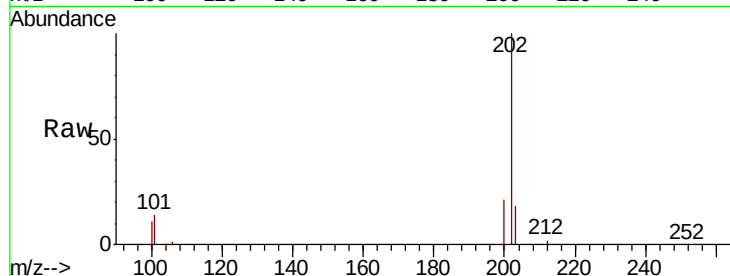
#17
Pvrene
Concen: 10.536 ng/ul
RT: 19.41 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BN008676.D
Acq: 21 Nov 2019 00:32

Instrument :
BNA_N
ClientSampleId :
C0AB3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	10.2	15.2
100	10.9	8.2	12.2

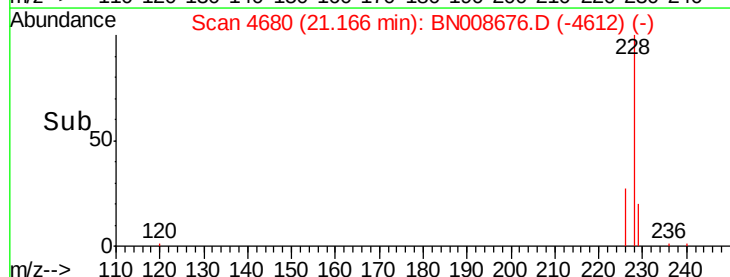
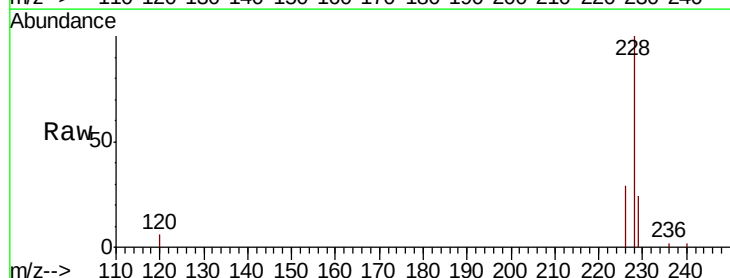
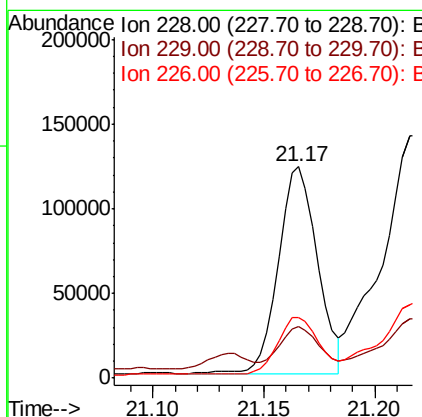
Manual Integrations
APPROVED

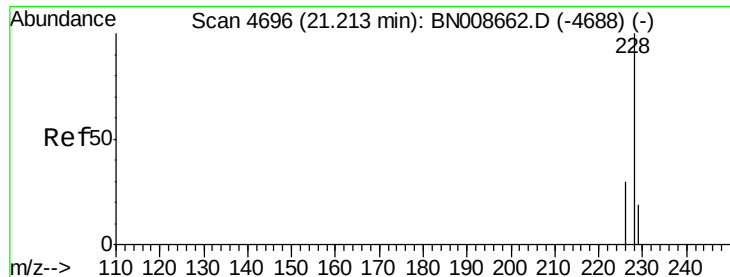
mohammad
11/21/2019 1:06:41 PM



#18
Benzo(a)anthracene
Concen: 2.682 ng/ul
RT: 21.17 min Scan# 4680
Delta R.T. 0.00 min
Lab File: BN008676.D
Acq: 21 Nov 2019 00:32

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	24.3	15.8	23.6#
226	28.9	21.6	32.4





#19

Chrysene

Concen: 4.149 ng/ul

RT: 21.22 min Scan# 4698

Delta R.T. 0.00 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Instrument :

BNA_N

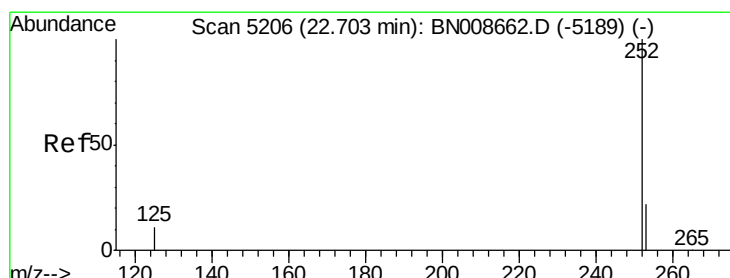
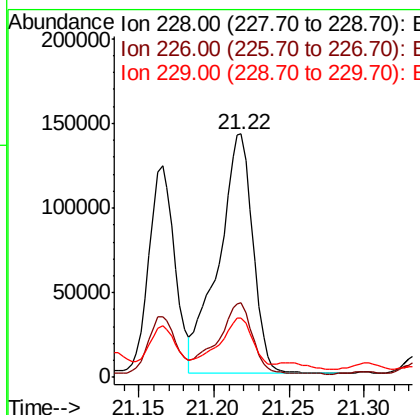
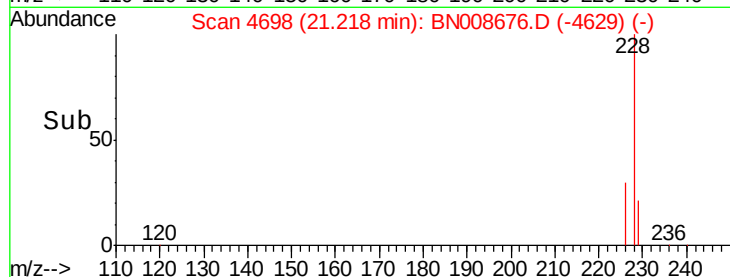
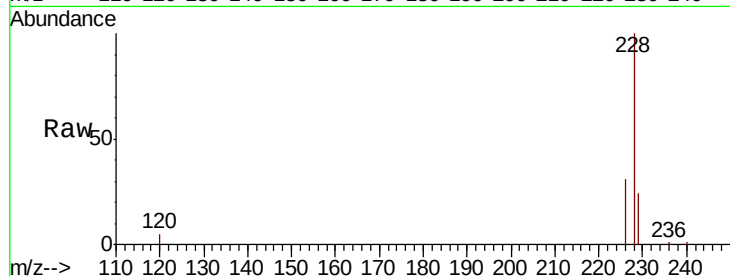
ClientSampleId :

C0AB3

Tot Ion:	228	Resp:	225320
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.5	36.7
229	24.4	15.5	23.3

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:41 PM



#21

Benzo(b)fluoranthene

Concen: 3.702 ng/ul m

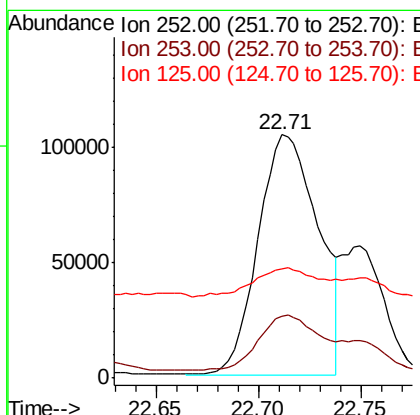
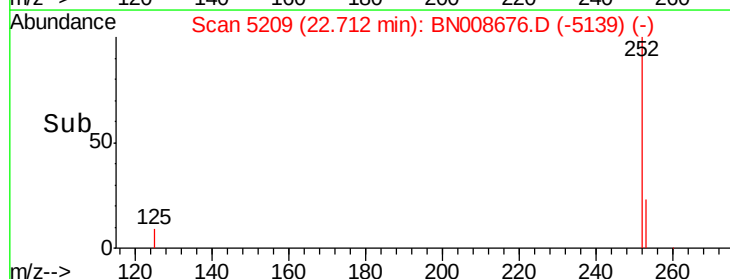
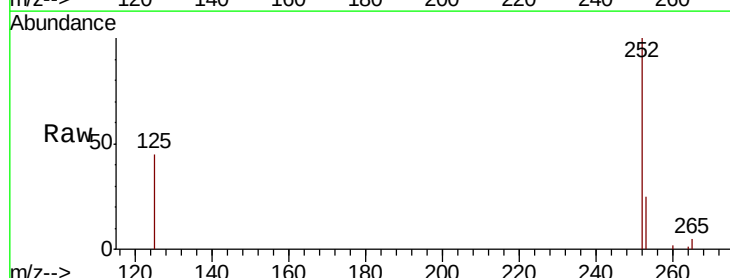
RT: 22.71 min Scan# 5209

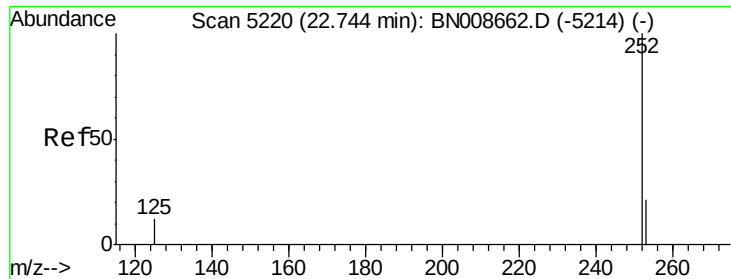
Delta R.T. 0.01 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Tgt Ion:	252	Resp:	213956
Ion Ratio	Lower	Upper	
252	100		
253	25.5	0.0	50.2
125	44.9	0.0	30.0





#22

Benzo(k)fluoranthene

Concen: 1.376 ng/ul m

RT: 22.75 min Scan# 5222

Delta R.T. 0.00 min

Lab File: BN008676.D

Acq: 21 Nov 2019 00:32

Instrument :

BNA_N

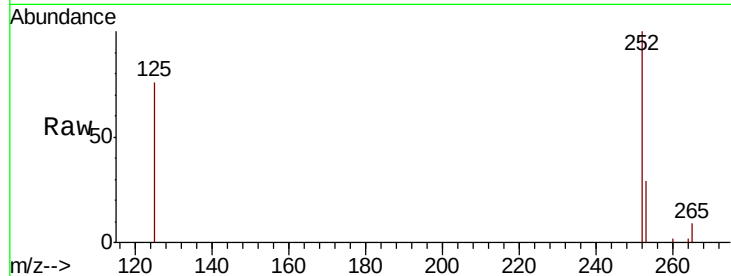
ClientSampled :

C0AB3

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	20.5	30.7
125	75.7	15.0	22.4#

Manual Integrations
APPROVED

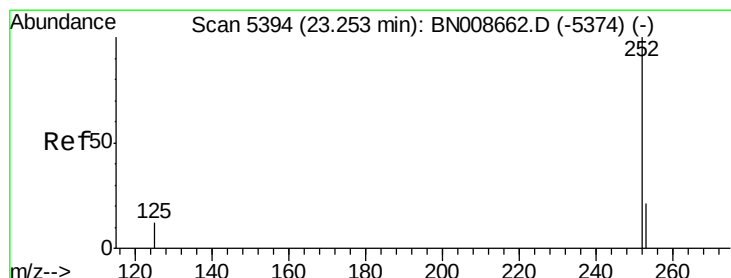
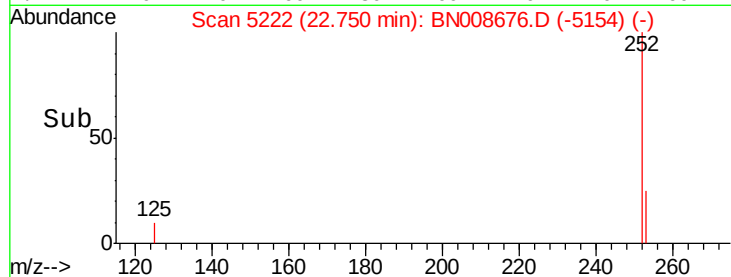
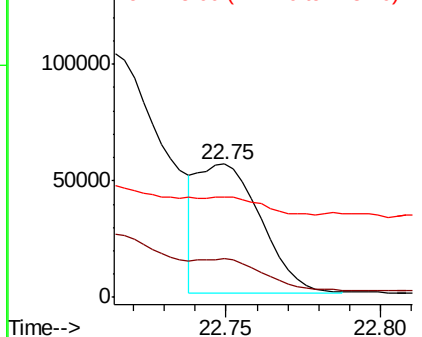
mohammad
11/21/2019 1:06:41 PM



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



#23

Benzo(a)pyrene

Concen: 2.137 ng/ul

RT: 23.26 min Scan# 5396

Delta R.T. 0.00 min

Lab File: BN008676.D

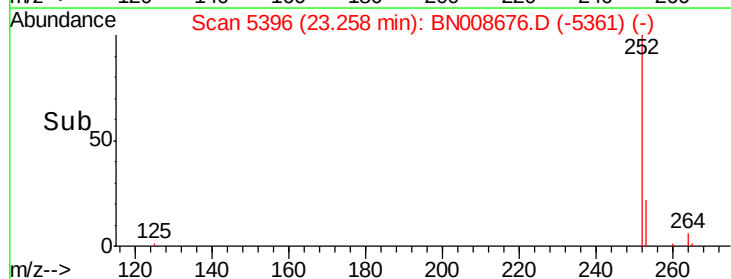
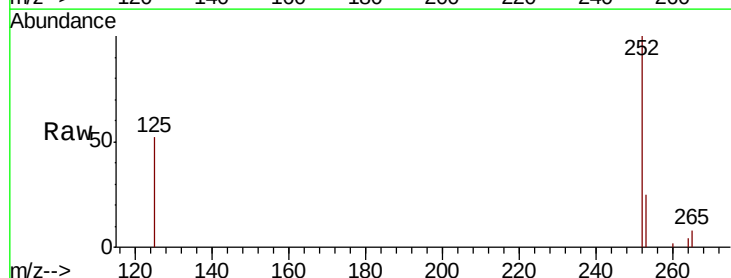
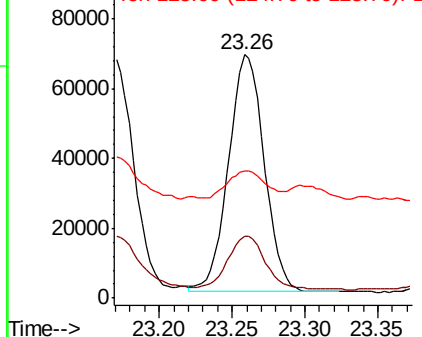
Acq: 21 Nov 2019 00:32

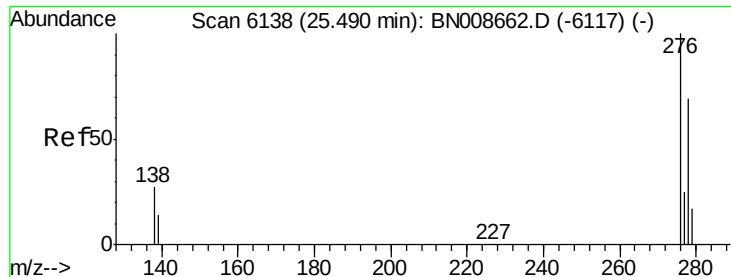
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	21.4	32.2
125	52.2	13.8	20.8#

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





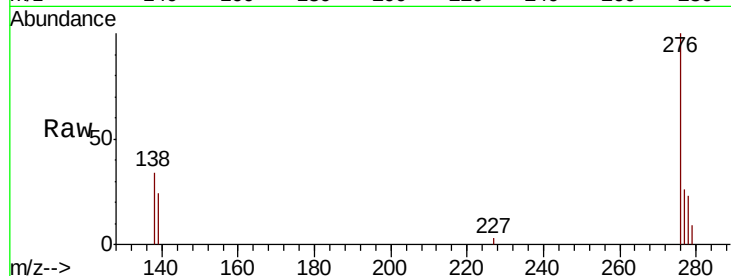
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.293 ng/ul
RT: 25.50 min Scan# 6140
Delta R.T. 0.00 min
Lab File: BN008676.D
Acq: 21 Nov 2019 00:32

Instrument :
BNA_N
ClientSampleId :
C0AB3

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	21.7	32.5
227	0.1	0.2	0.2#

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:41 PM

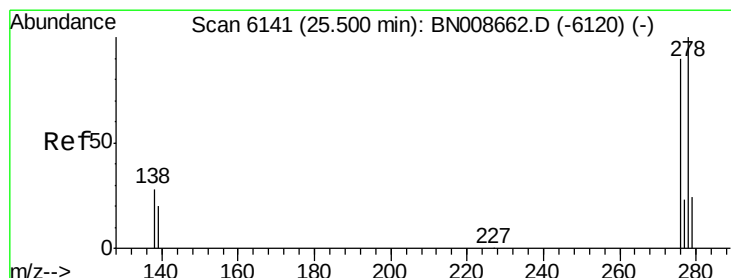
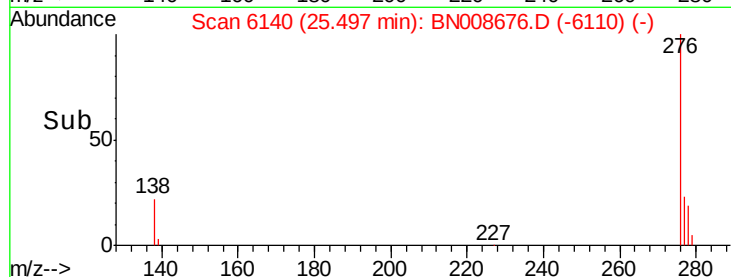
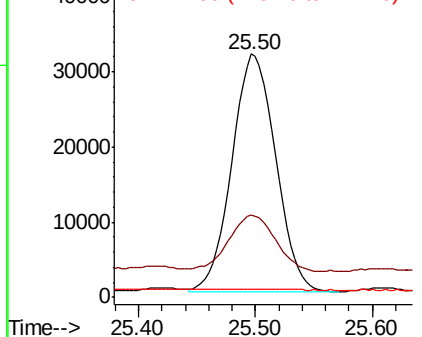


Abundance

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: 0.432 ng/ul
RT: 25.50 min Scan# 6142
Delta R.T. -0.01 min
Lab File: BN008676.D
Acq: 21 Nov 2019 00:32

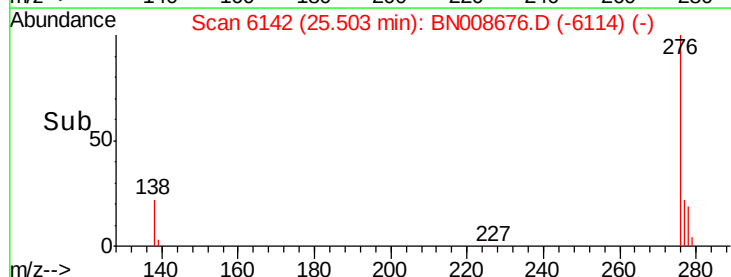
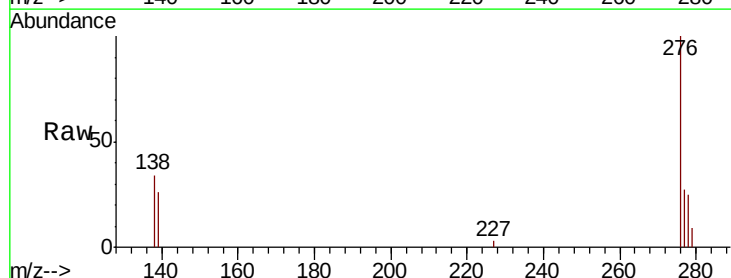
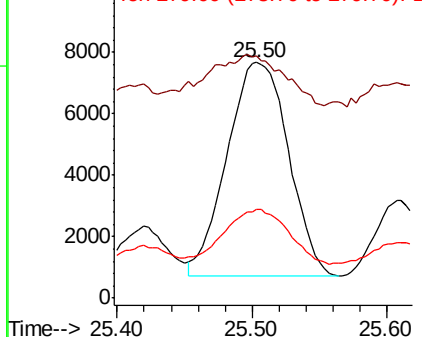
Tgt Ion	Ratio	Lower	Upper
278	100		
139	103.1	18.7	28.1#
279	37.7	20.8	31.2#

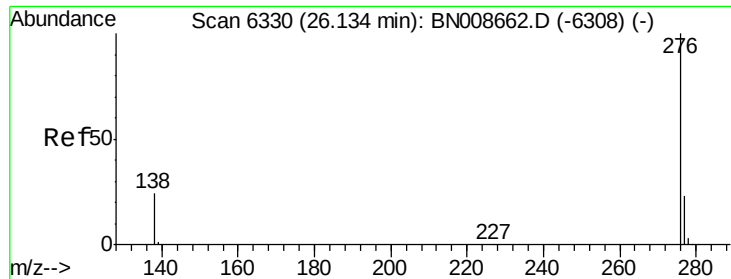
Abundance

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





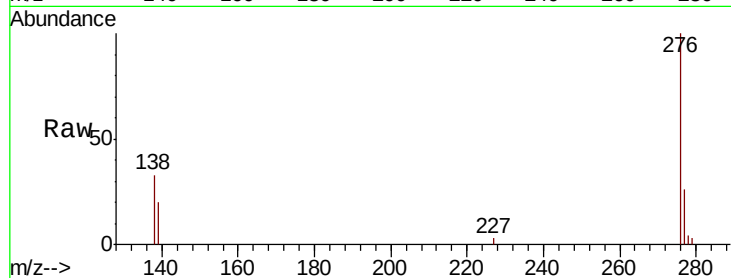
#26
 Benzo(a,h,i)perylene
 Concen: 1.646 ng/ul
 RT: 26.15 min Scan# 6336
 Delta R.T. 0.01 min
 Lab File: BN008676.D
 Acq: 21 Nov 2019 00:32

Instrument :
 BNA_N
 ClientSampleId :
 C0AB3

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.5	20.0	30.0#
277	25.5	20.0	30.0

Manual Integrations
 APPROVED

mohammad
 11/21/2019 1:06:41 PM



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

