

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
 Data File : BN008977.D
 Acq On : 13 Dec 2019 21:23
 Operator : JU
 Sample : K6089-14DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BR2DL

Manual Integrations
 APPROVED

mohammad
 12/16/2019 12:24:05 PM

Quant Time: Dec 13 23:38:59 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 : Fri Dec 13 23:22:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2475	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11052	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7337	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16372	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13718	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	12706	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	3343	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	10577	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	32277	0.969	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	30487	1.310	ng/ul	99
7) Acenaphthylene	13.89	152	7158	0.176	ng/ul#	92
9) Fluorene	15.24	166	1517	0.043	ng/ul#	60
12) Phenanthrene	16.97	178	51866	0.939	ng/ul	100
13) Anthracene	17.06	178	4711	0.090	ng/ul#	90
15) Fluoranthene	18.99	202	48769	0.719	ng/ul	99
17) Pyrene	19.35	202	48411	0.880	ng/ul	100
18) Benzo(a)anthracene	21.12	228	35184m	0.638	ng/ul	
19) Chrysene	21.17	228	45892	0.847	ng/ul#	96
21) Benzo(b)fluoranthene	22.64	252	54927m	1.048	ng/ul	
22) Benzo(k)fluoranthene	22.68	252	17697m	0.341	ng/ul	
23) Benzo(a)pyrene	23.18	252	28864	0.587	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.38	276	17422	0.303	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.38	278	5070	0.109	ng/ul#	73
26) Benzo(a,h,i)perylene	26.02	276	16336	0.340	ng/ul	98

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

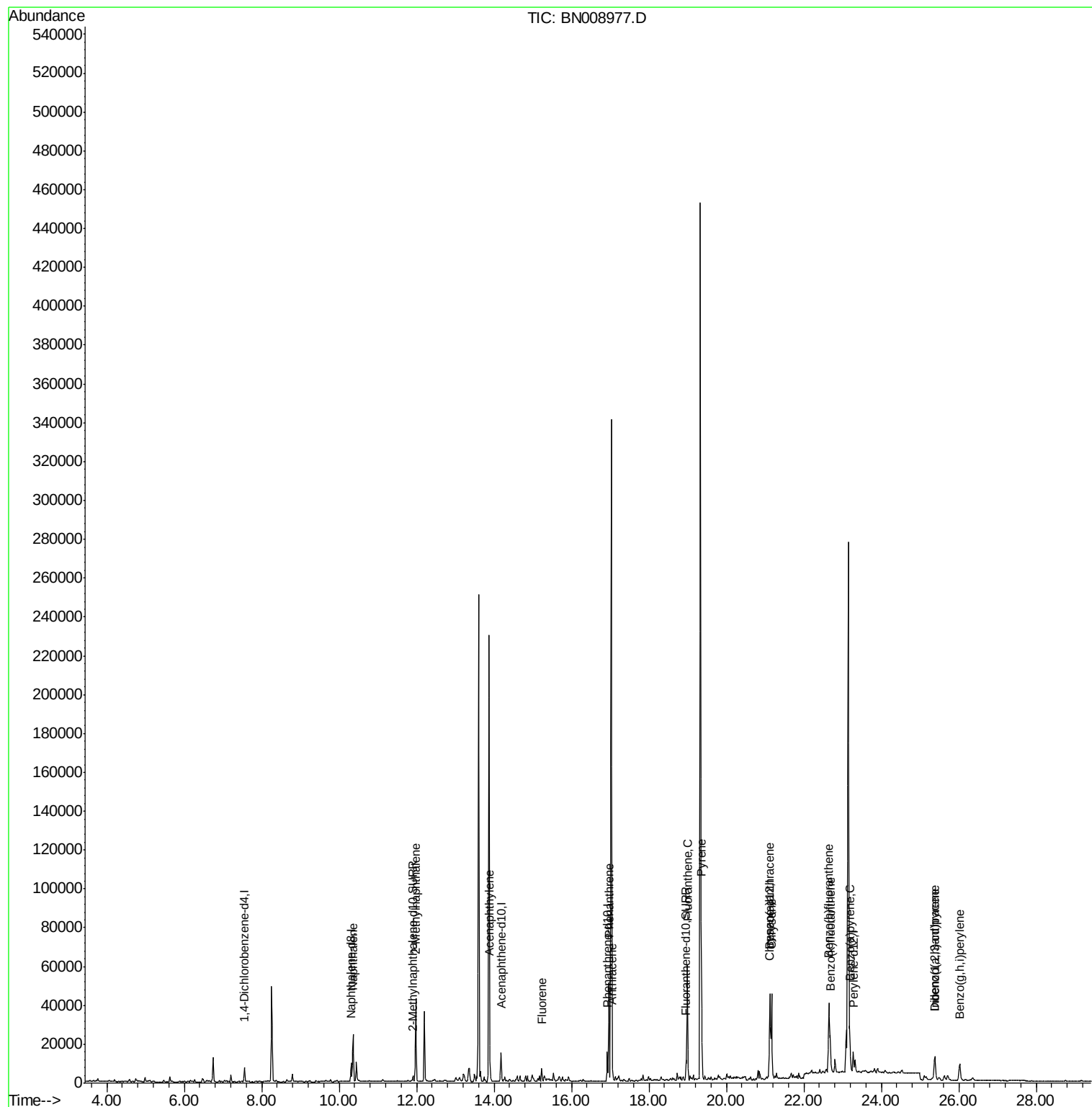
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
Data File : BN008977.D
Acq On : 13 Dec 2019 21:23
Operator : JU
Sample : K6089-14DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

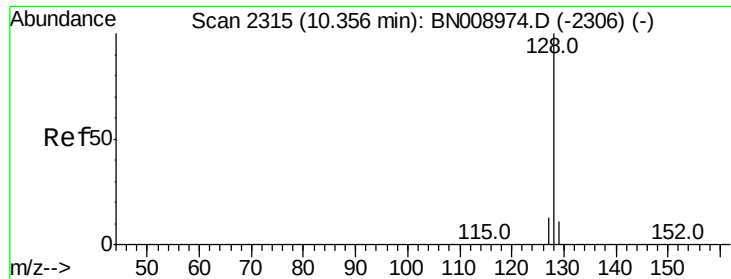
Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 PM

Quant Time: Dec 13 23:38:59 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 : Fri Dec 13 23:22:26 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.969 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

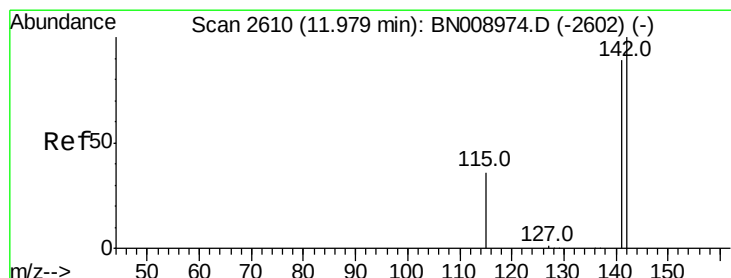
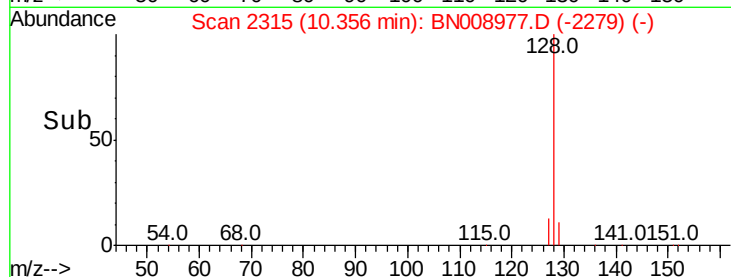
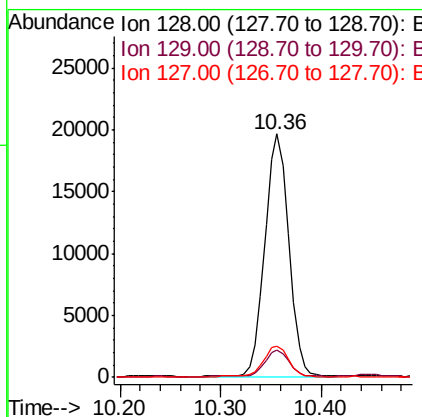
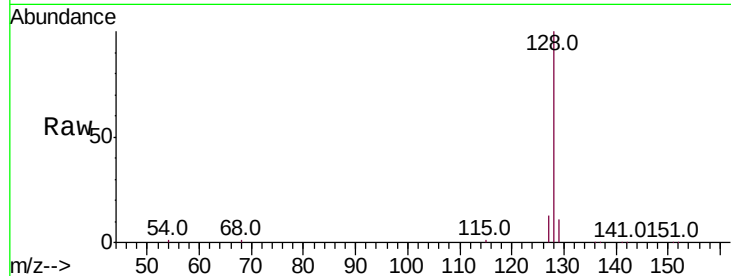
ClientSampleId :

C0BR2DL

Tot Ion:	128	Resp:	32277
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.1	13.7
127	13.0	10.7	16.1

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 PM



#5

2-Methylnaphthalene

Concen: 1.310 ng/ul

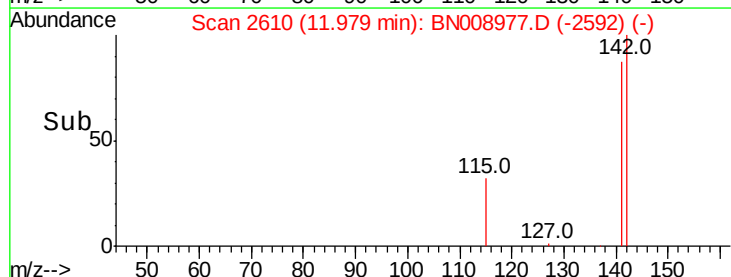
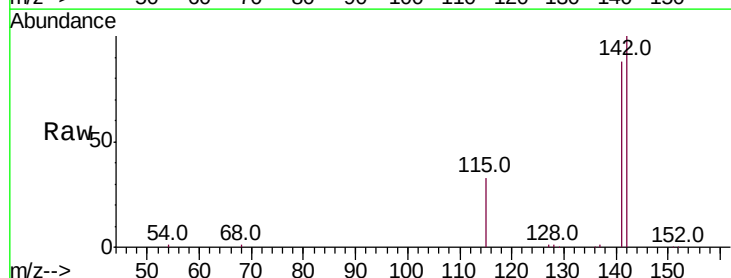
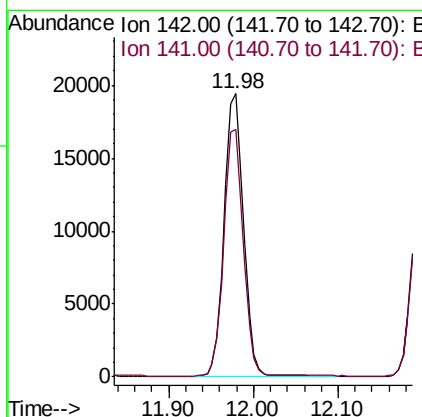
RT: 11.98 min Scan# 2610

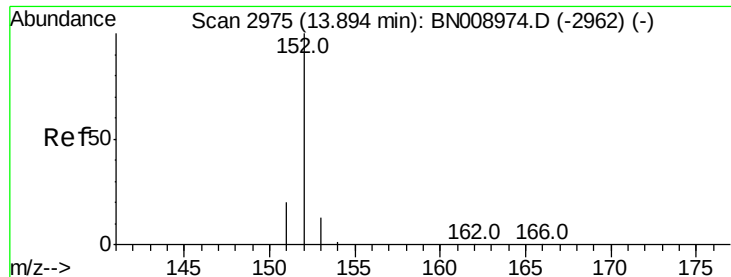
Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Tgt Ion:	142	Resp:	30487
Ion Ratio	Lower	Upper	
142	100		
141	88.1	70.1	105.1





#7

Acenaphthylene

Concen: 0.176 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

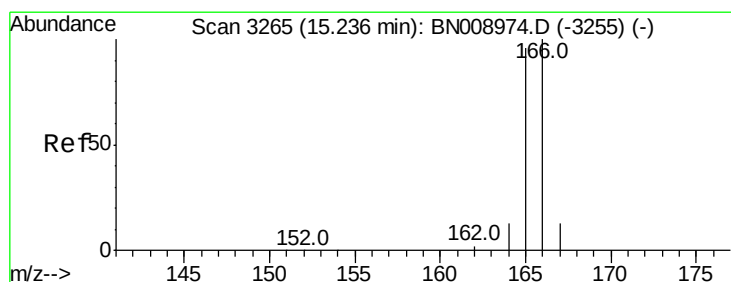
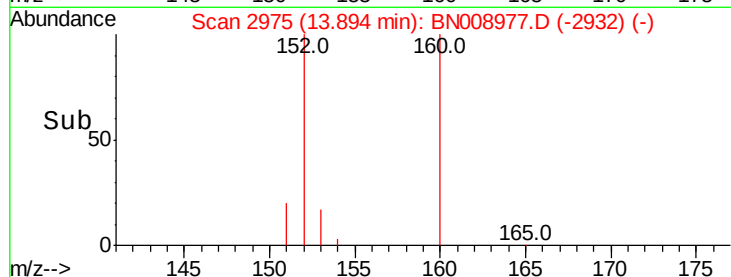
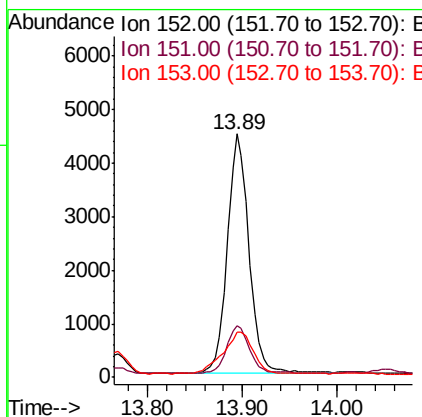
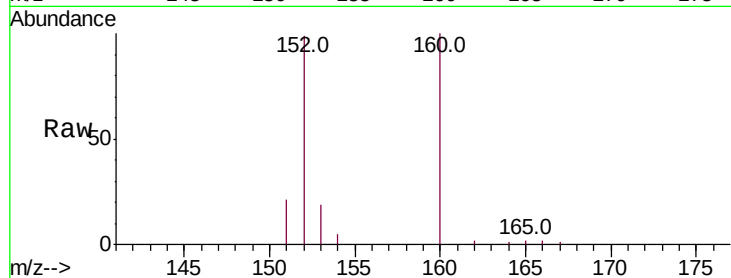
ClientSampleId :

C0BR2DL

Tot Ion:	152	Resp:	7158
Ion Ratio	Lower	Upper	
152	100		
151	21.4	15.8	23.6
153	18.8	10.6	15.8#

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 PM



#9

Fluorene

Concen: 0.043 ng/ul

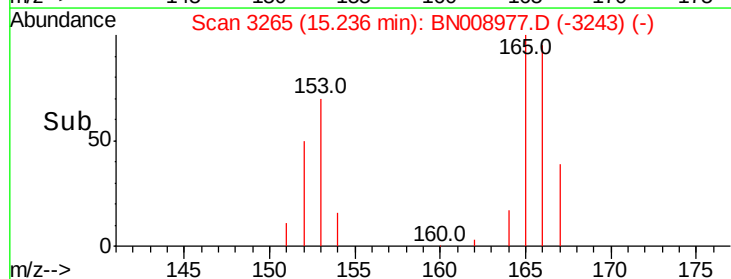
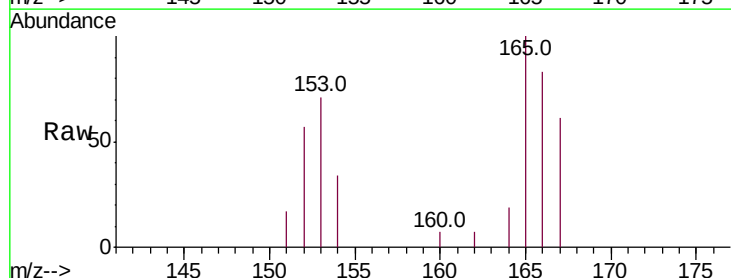
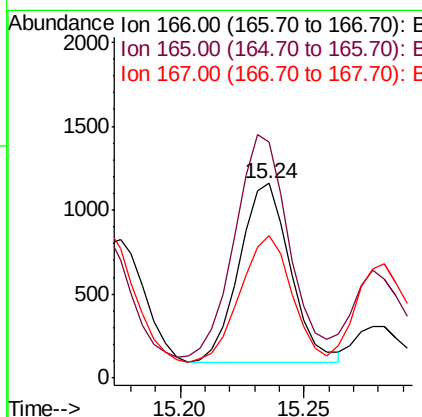
RT: 15.24 min Scan# 3265

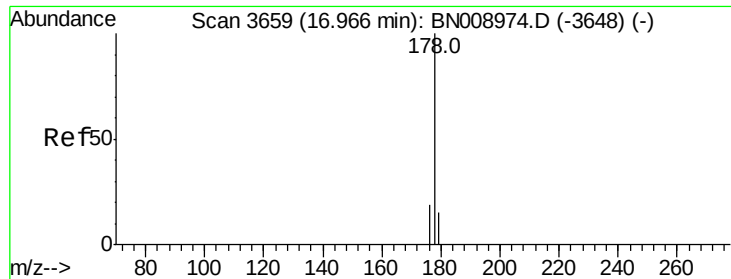
Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Tgt Ion:	166	Resp:	1517
Ion Ratio	Lower	Upper	
166	100		
165	121.1	77.7	116.5#
167	73.5	11.1	16.7#





#12

Phenanthrene

Concen: 0.939 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008977.D

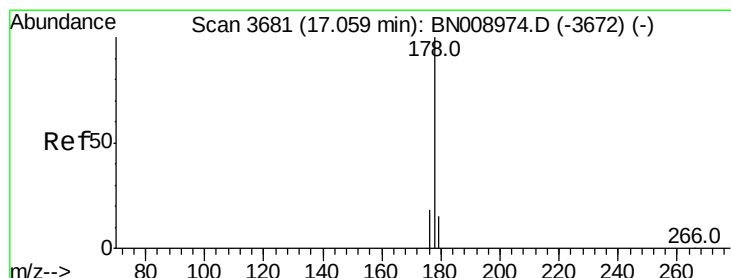
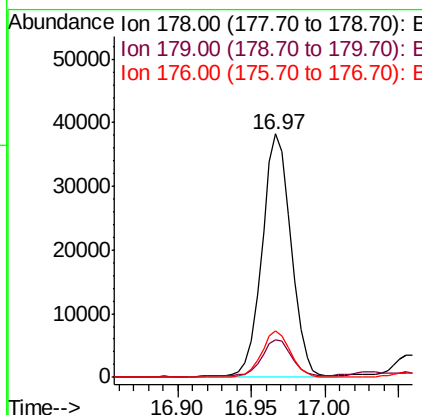
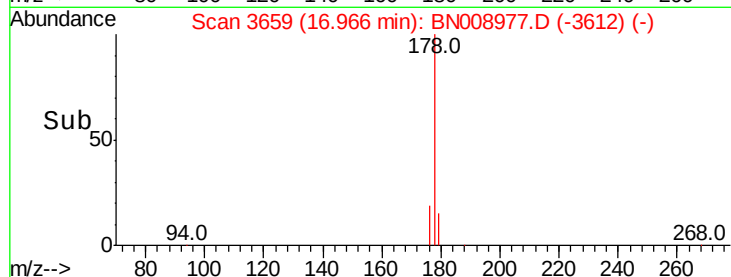
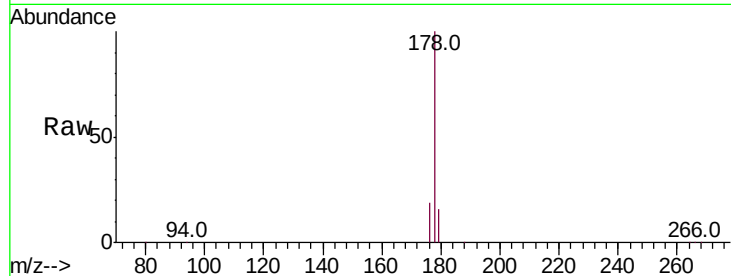
Acq: 13 Dec 2019 21:23

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8
176	18.9	15.3	22.9

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 PM



#13

Anthracene

Concen: 0.090 ng/ul

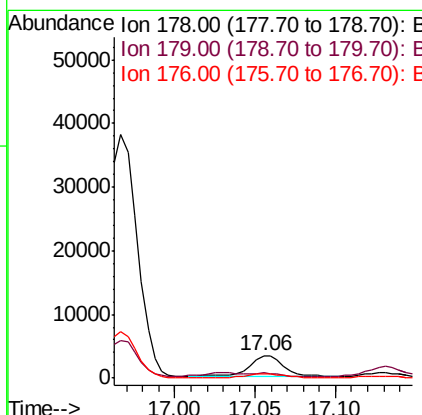
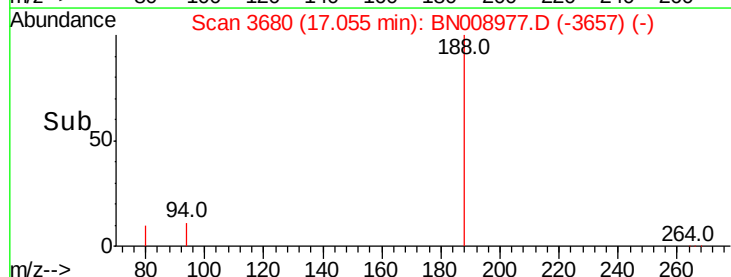
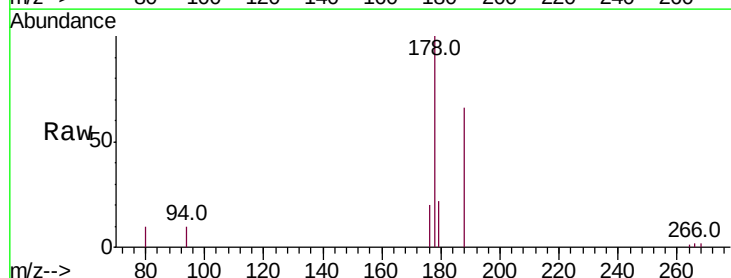
RT: 17.06 min Scan# 3680

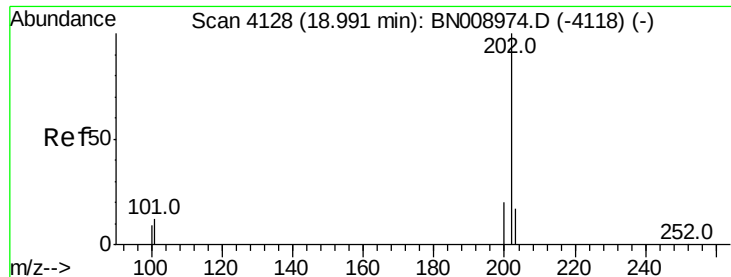
Delta R.T. -0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.4	12.2	18.4#
176	20.1	14.7	22.1





#15

Fluoranthene

Concen: 0.719 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

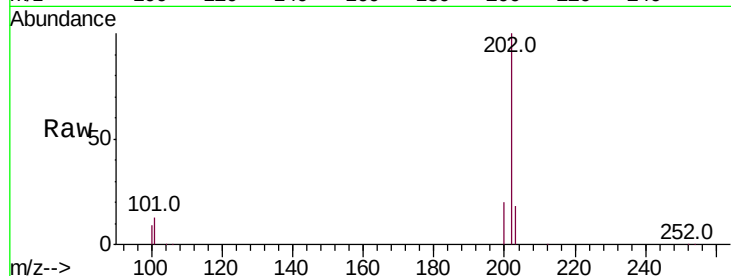
ClientSampleId :

C0BR2DL

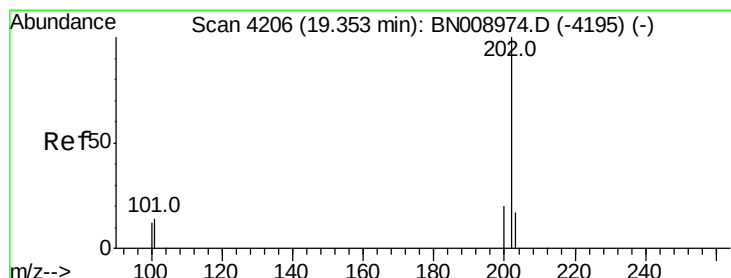
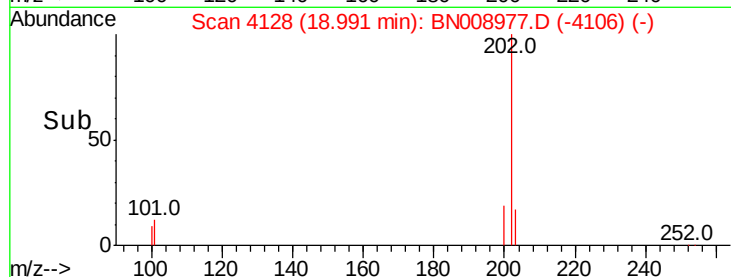
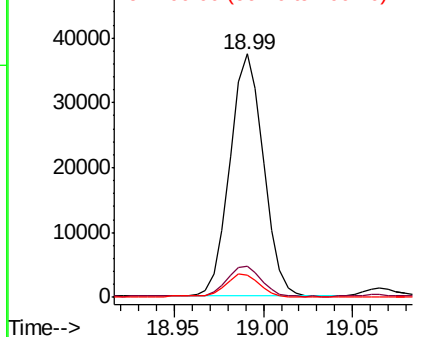
Tot Ion:	202	Resp:	48769
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.4
100	9.0	0.0	29.2

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 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: 0.880 ng/ul

RT: 19.35 min Scan# 4206

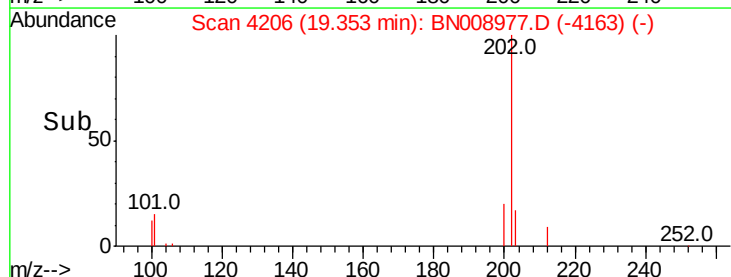
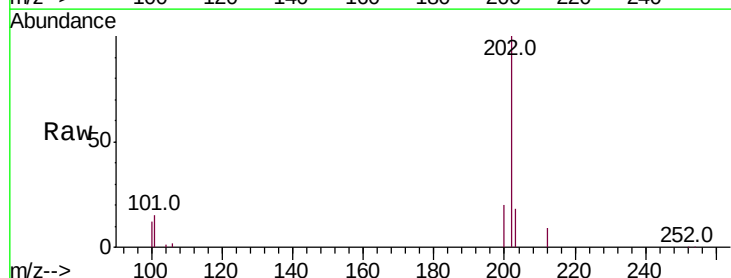
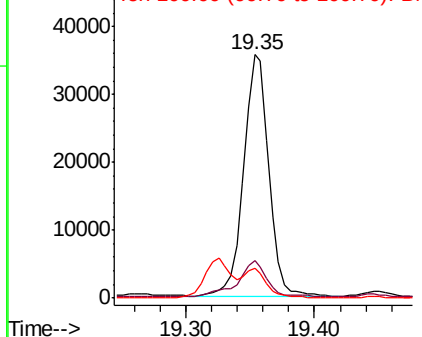
Delta R.T. 0.00 min

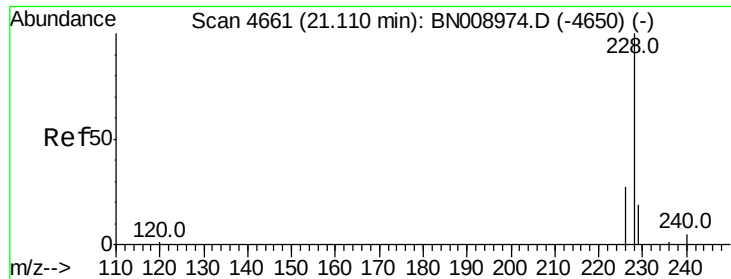
Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Tgt Ion:	202	Resp:	48411
Ion Ratio	Lower	Upper	
202	100		
101	15.2	12.2	18.4
100	12.3	9.5	14.3

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: 0.638 ng/ul m

RT: 21.12 min Scan# 4663

Delta R.T. 0.01 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

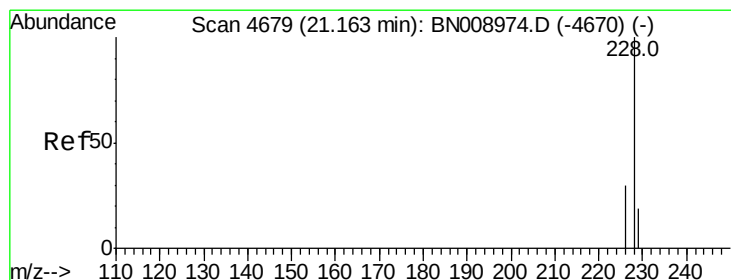
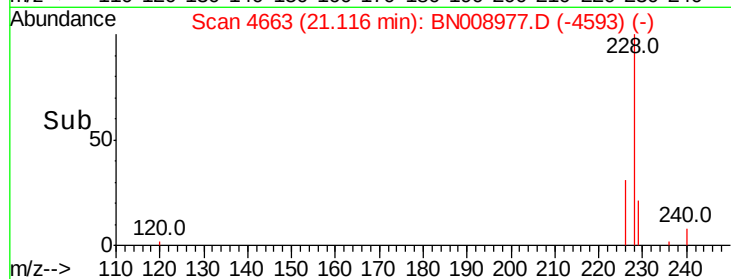
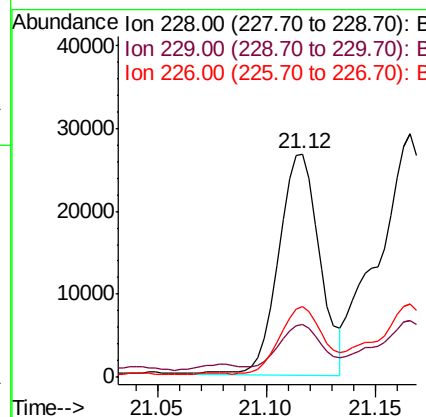
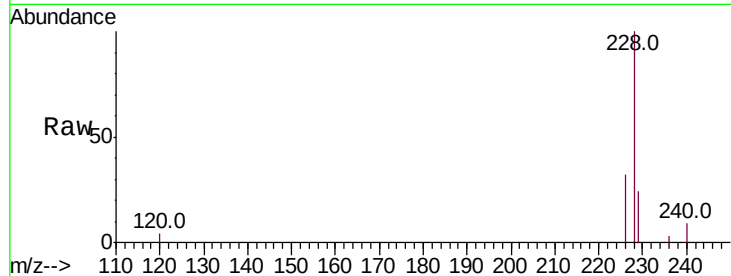
ClientSampleId :

C0BR2DL

Tot Ion:	228	Resp:	35184
Ion Ratio	Lower	Upper	
228	100		
229	23.9	15.7	23.5#
226	31.9	21.5	32.3

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 PM



#19

Chrysene

Concen: 0.847 ng/ul

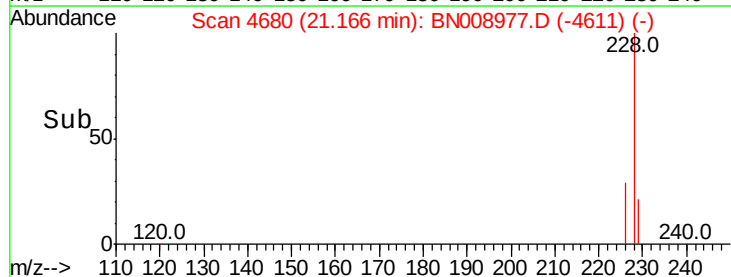
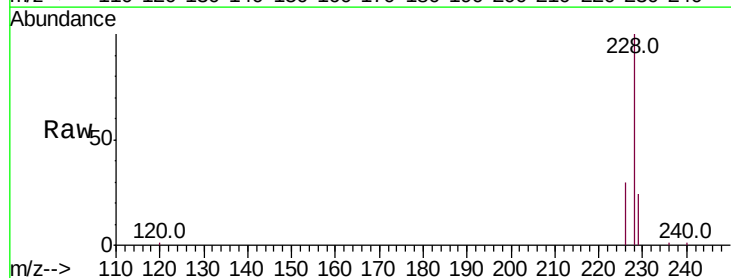
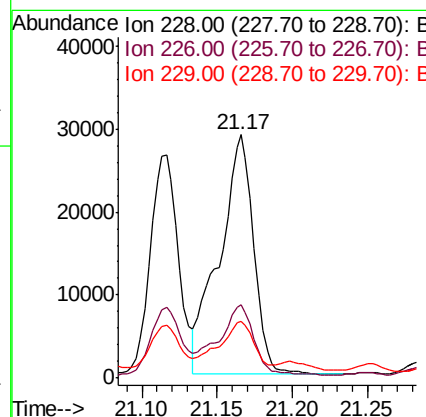
RT: 21.17 min Scan# 4680

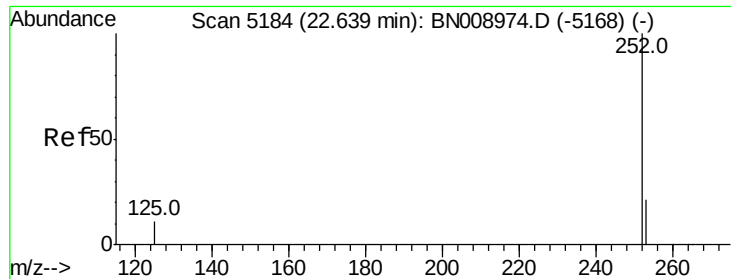
Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Tgt Ion:	228	Resp:	45892
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.8	35.6
229	23.5	15.6	23.4#





#21

Benzo(b)fluoranthene

Concen: 1.048 ng/ul m

RT: 22.64 min Scan# 5185

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

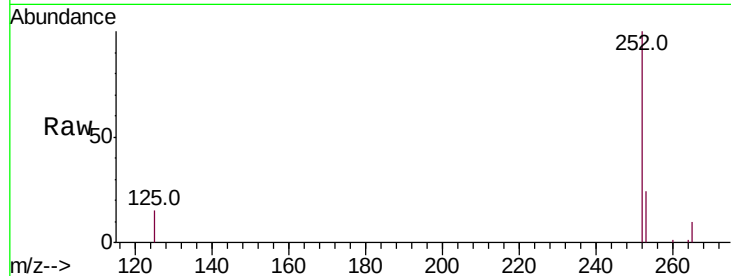
ClientSampleId :

C0BR2DL

Tot Ion:	252	Resp:	54927
Ion Ratio	Lower	Upper	
252	100		
253	24.2	0.0	48.6
125	15.1	0.0	31.6

Manual Integrations
APPROVED

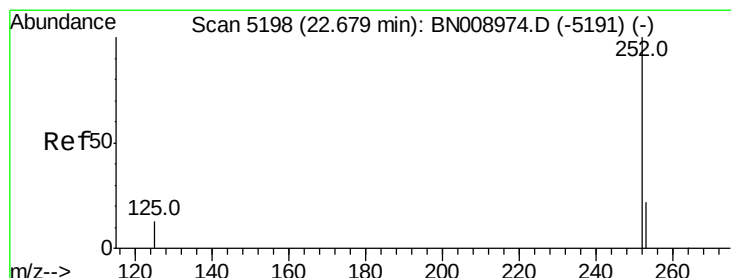
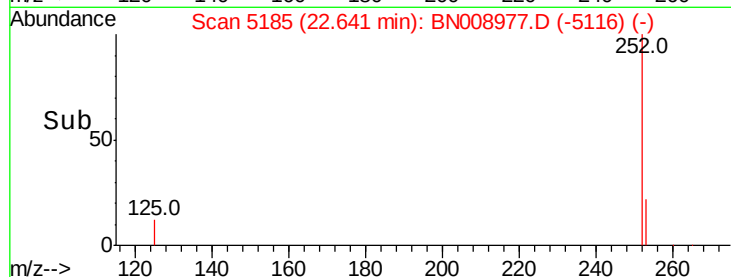
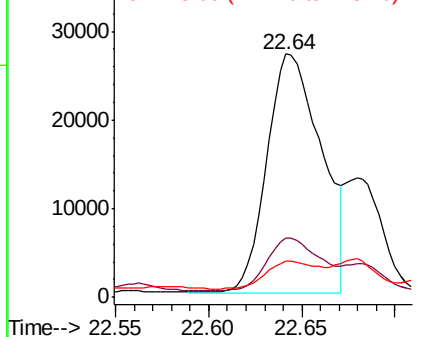
mohammad
12/16/2019 12:24:05 PM



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



#22

Benzo(k)fluoranthene

Concen: 0.341 ng/ul m

RT: 22.68 min Scan# 5198

Delta R.T. 0.00 min

Lab File: BN008977.D

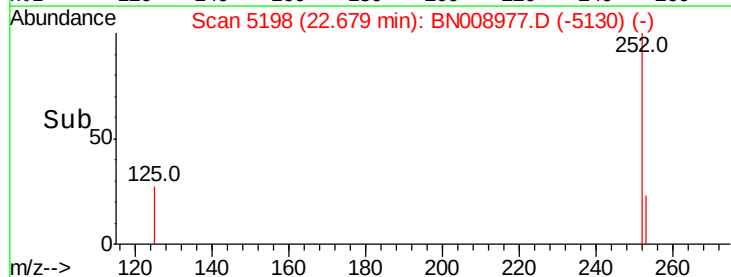
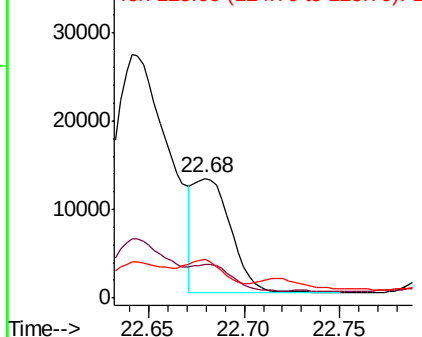
Acq: 13 Dec 2019 21:23

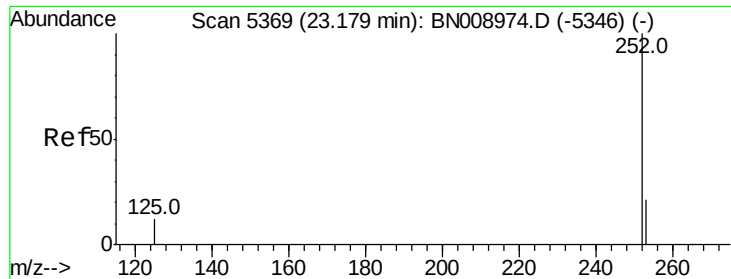
Tgt Ion:	252	Resp:	17697
Ion Ratio	Lower	Upper	
252	100		
253	27.9	19.6	29.4
125	32.2	13.8	20.6#

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





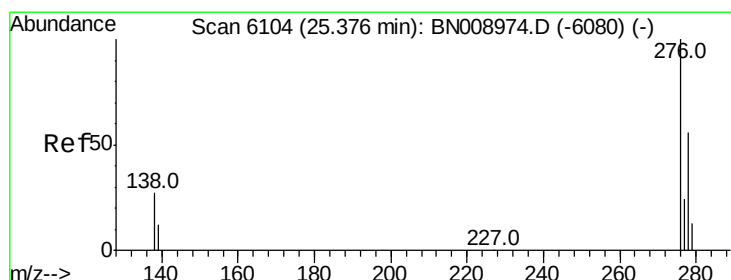
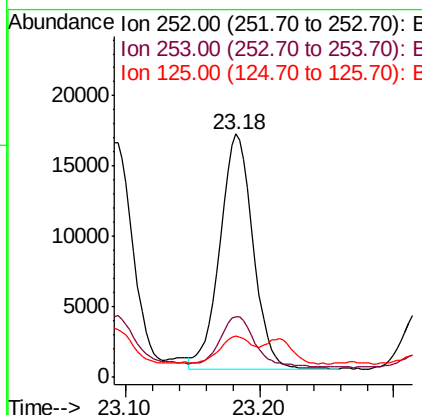
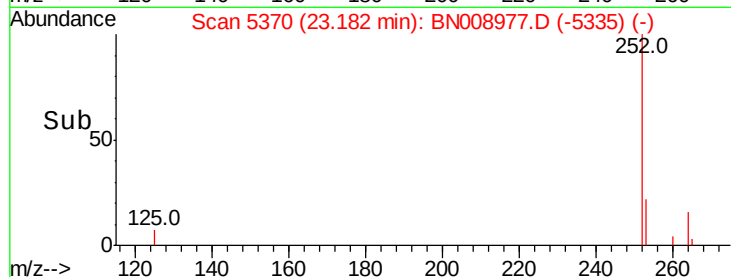
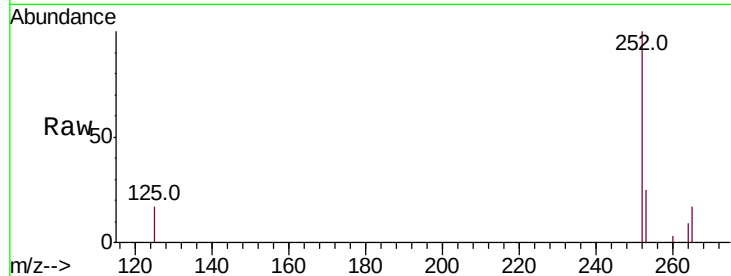
#23
Benzo(a)pyrene
Concen: 0.587 ng/ul
RT: 23.18 min Scan# 5370
Delta R.T. 0.00 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.9	29.9
125	17.1	14.6	22.0

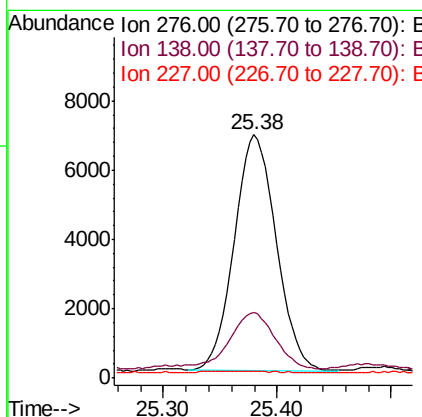
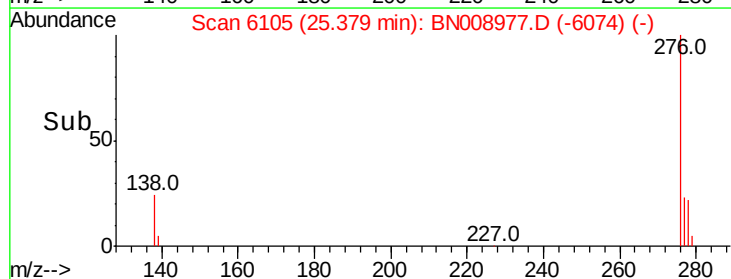
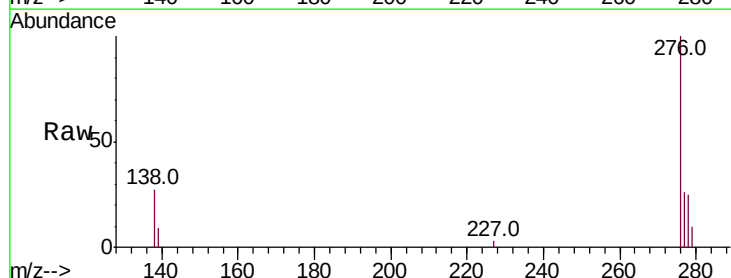
Manual Integrations
APPROVED

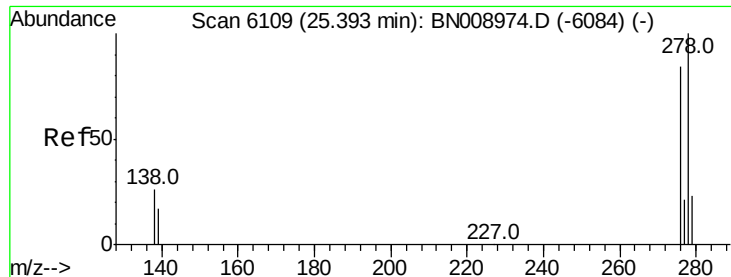
mohammad
12/16/2019 12:24:05 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.303 ng/ul
RT: 25.38 min Scan# 6105
Delta R.T. 0.00 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	23.8	35.6
227	0.1	0.2	0.2#





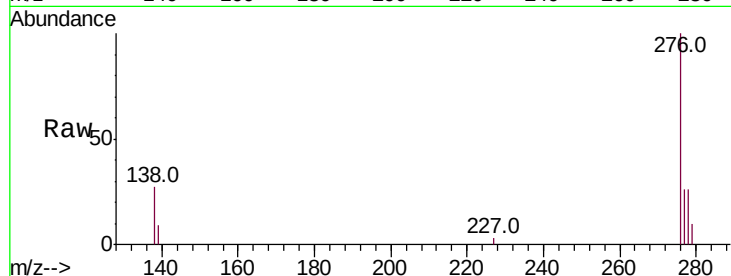
#25
Dibenzo(a,h)anthracene
Concen: 0.109 ng/ul
RT: 25.38 min Scan# 6106
Delta R.T. -0.01 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.3	17.4	26.0#
279	39.9	20.5	30.7#

Manual Integrations
APPROVED

mohammad
12/16/2019 12:24:05 PM

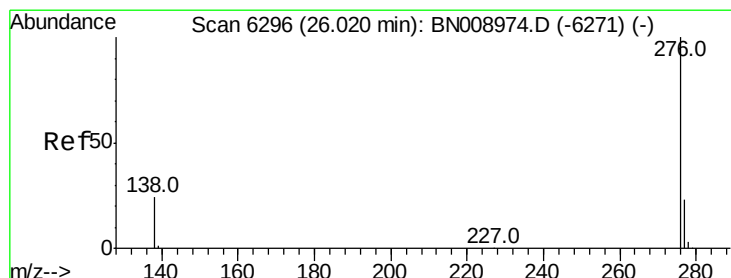
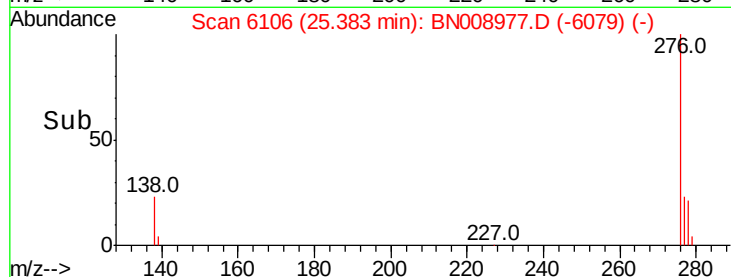
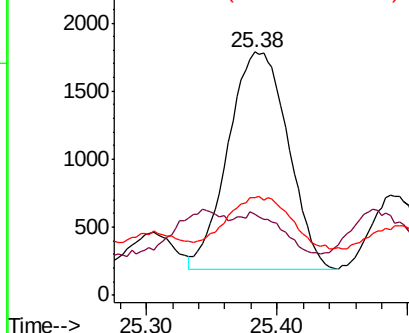


Abundance

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: 0.340 ng/ul
RT: 26.02 min Scan# 6297
Delta R.T. 0.00 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.9	32.9
277	26.1	19.9	29.9

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

