

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062419\
 Data File : BN006550.D
 Acq On : 25 Jun 2019 02:15
 Operator : HP/JU
 Sample : K3362-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A41X8

Manual Integrations
 APPROVED

mohammad
 6/25/2019 10:21:04 PM

Quant Time: Jun 25 07:16:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4822	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	18395	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	9471	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	18061m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	9747m	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	8682m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	7478	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	13009m	0.27	ng/ul	0.00
Target Compounds				Ovalue		
12) Phenanthrene	17.08	178	7969	0.137	ng/ul	97
13) Anthracene	17.17	178	2048m	0.037	ng/ul	
15) Fluoranthene	19.11	202	16318m	0.255	ng/ul	
17) Pyrene	19.47	202	15279	0.298	ng/ul	97
18) Benzo(a)anthracene	21.24	228	5394m	0.125	ng/ul	
19) Chrysene	21.29	228	5031	0.124	ng/ul	97
21) Benzo(b)fluoranthene	22.82	252	6455m	0.178	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	2561m	0.073	ng/ul	
23) Benzo(a)pyrene	23.39	252	4385	0.130	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.73	276	3041	0.083	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	940	0.032	ng/ul#	49
26) Benzo(g,h,i)perylene	26.41	276	2379	0.078	ng/ul	93

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

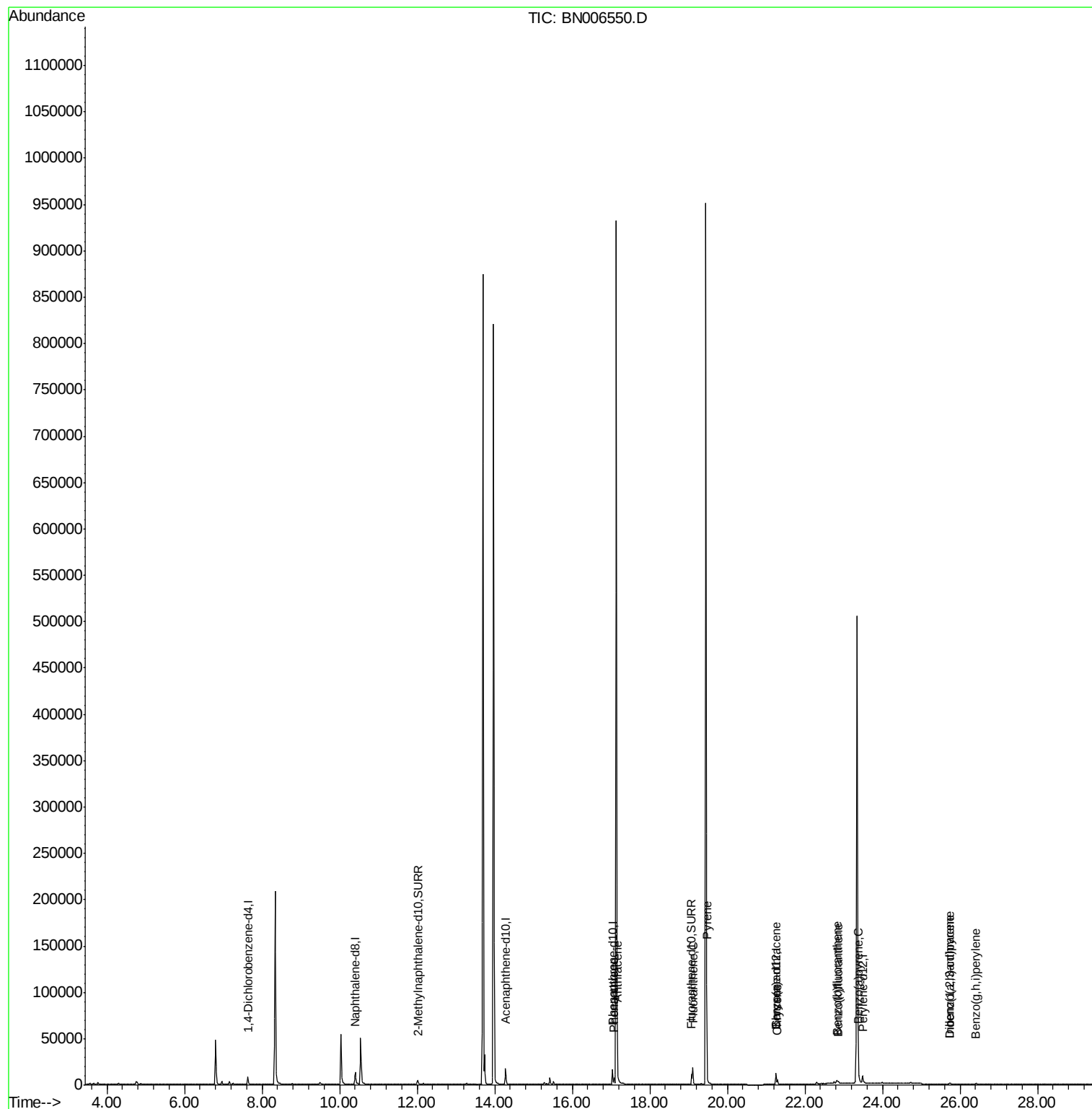
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062419\
Data File : BN006550.D
Acq On : 25 Jun 2019 02:15
Operator : HP/JU
Sample : K3362-12
Misc :
ALS Vial : 28 Sample Multiplier: 1

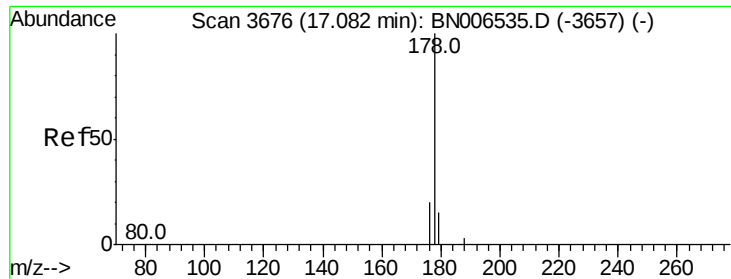
Instrument :
BNA_N
ClientSampleId :
A41X8

Quant Time: Jun 25 07:16:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 01:51:13 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
6/25/2019 10:21:04 PM





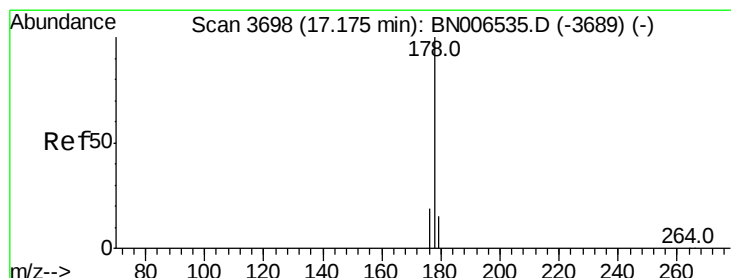
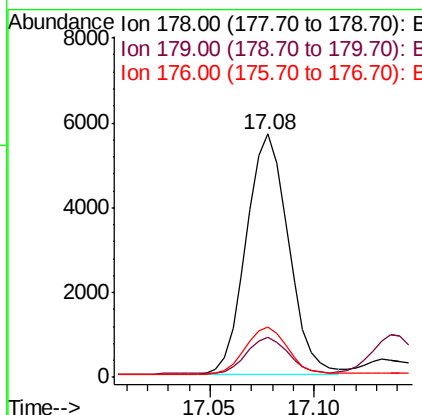
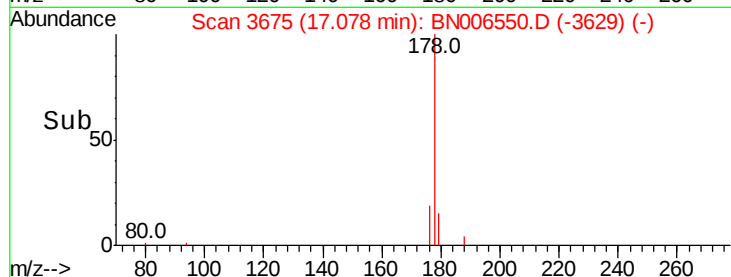
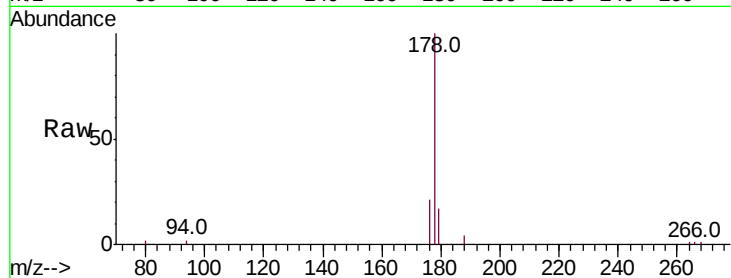
#12
Phenanthrene
Concen: 0.137 ng/ul
RT: 17.08 min Scan# 3675
Delta R.T. -0.00 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Instrument :
BNA_N
ClientSampleId :
A41X8

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.3	18.5
176	20.5	15.3	22.9

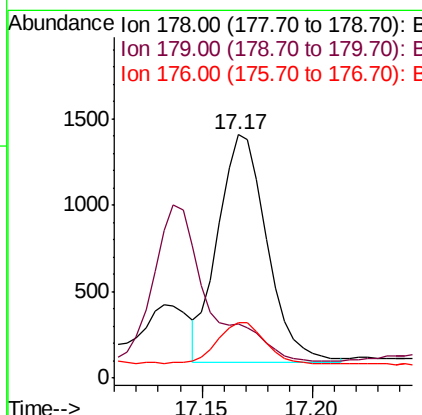
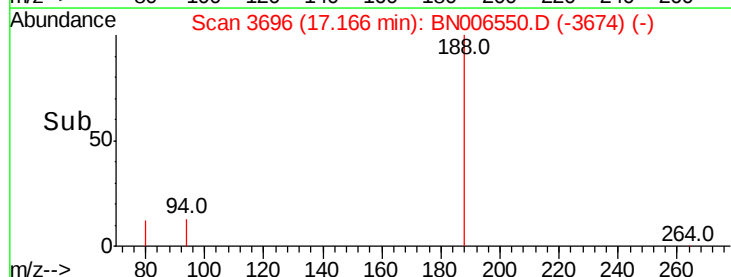
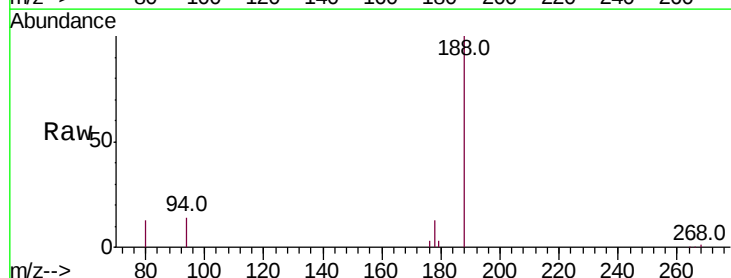
Manual Integrations
APPROVED

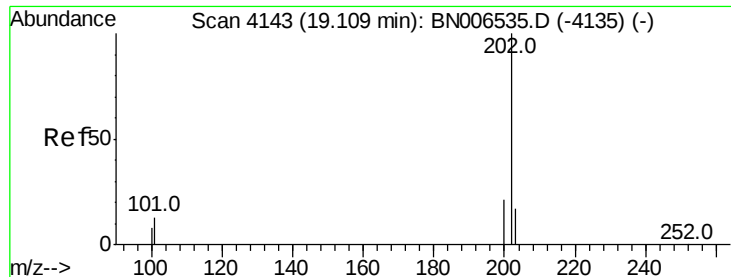
mohammad
6/25/2019 10:21:04 PM



#13
Anthracene
Concen: 0.037 ng/ul m
RT: 17.17 min Scan# 3696
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.0	12.2	18.4#
176	22.7	15.1	22.7#





#15

Fluoranthene

Concen: 0.255 ng/ul m

RT: 19.11 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN006550.D

Acq: 25 Jun 2019 02:15

Instrument :

BNA_N

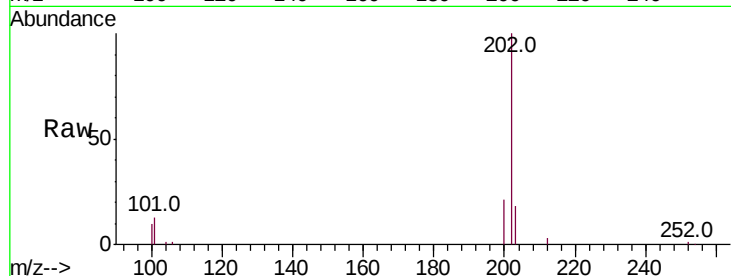
ClientSampleId :

A41X8

Tot Ion:	202	Resp:	16318
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	32.1
100	9.9	0.0	28.7

Manual Integrations
APPROVED

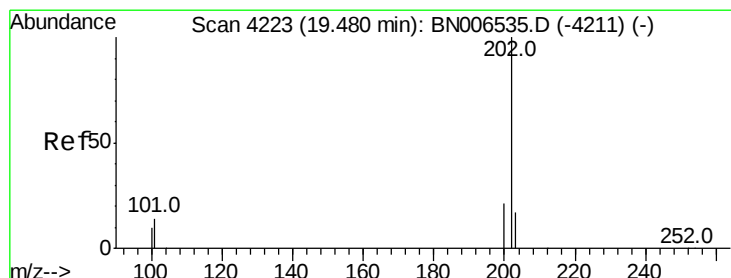
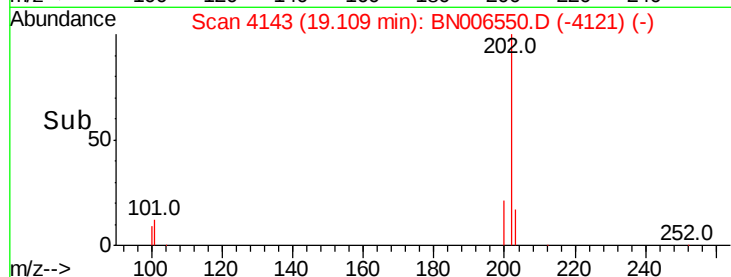
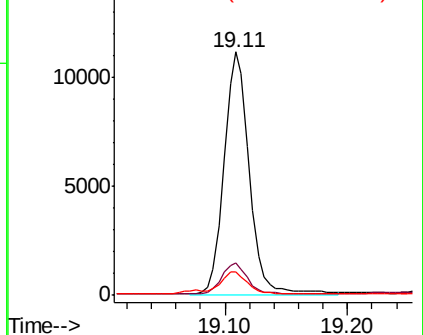
mohammad
6/25/2019 10:21:04 PM



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: 0.298 ng/ul

RT: 19.47 min Scan# 4221

Delta R.T. -0.01 min

Lab File: BN006550.D

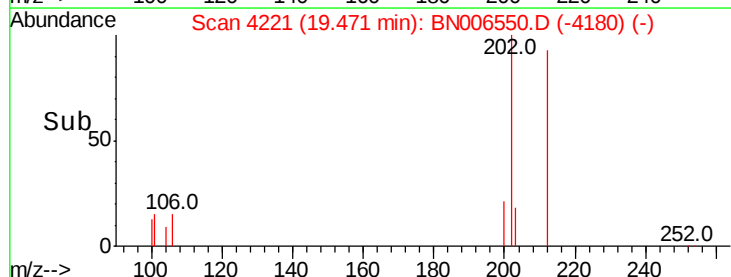
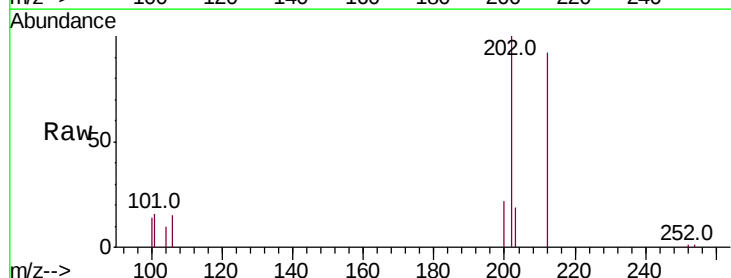
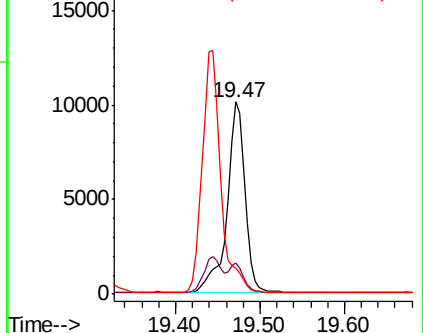
Acq: 25 Jun 2019 02:15

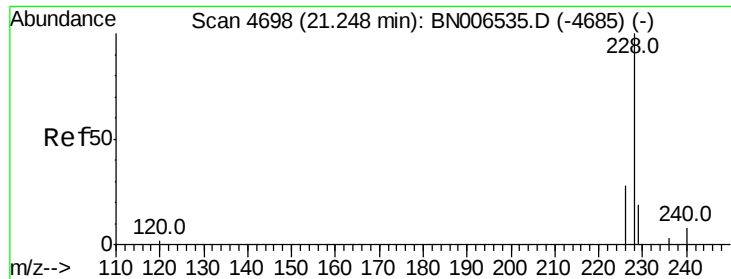
Tgt Ion:	202	Resp:	15279
Ion Ratio	Lower	Upper	
202	100		
101	16.2	12.2	18.2
100	13.7	9.8	14.6

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





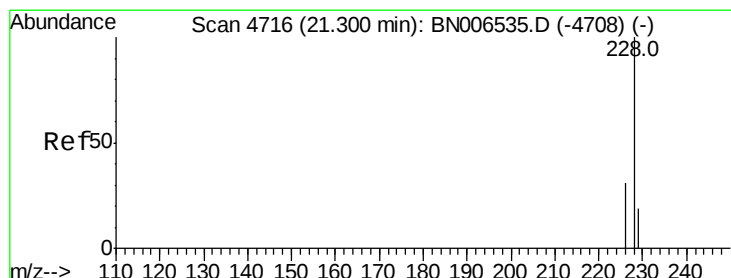
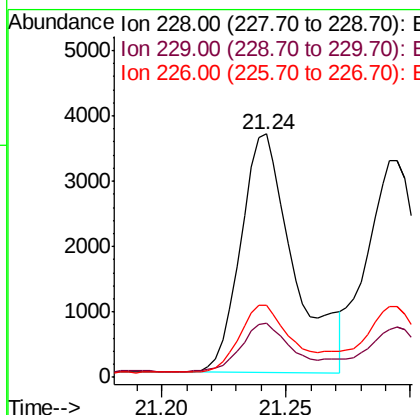
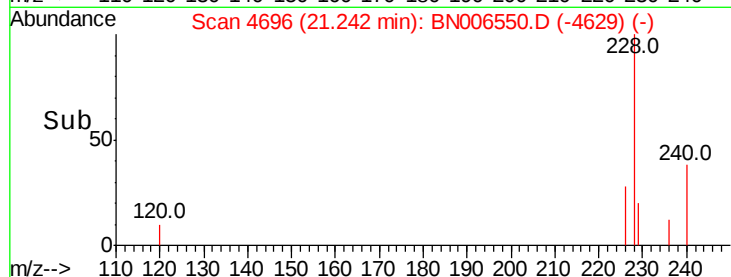
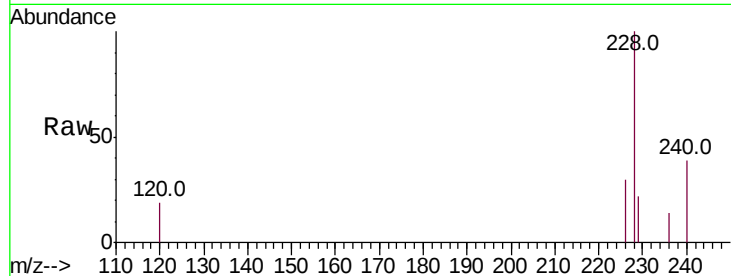
#18
Benzo(a)anthracene
Concen: 0.125 ng/ul m
RT: 21.24 min Scan# 4696
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Instrument :
BNA_N
ClientSampleId :
A41X8

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.2	16.5	24.7
226	29.7	22.8	34.2

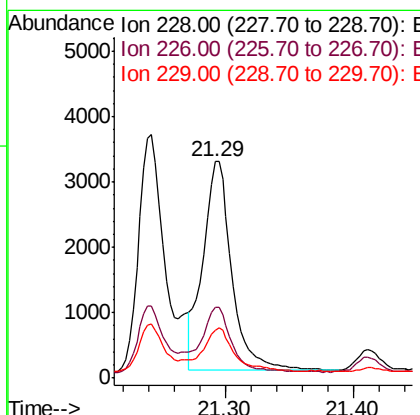
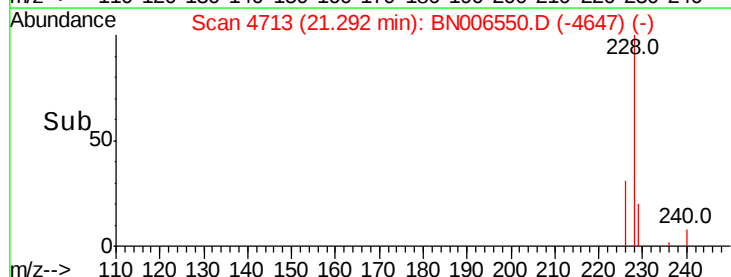
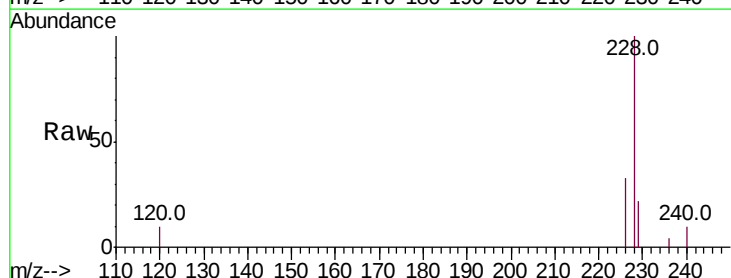
Manual Integrations
APPROVED

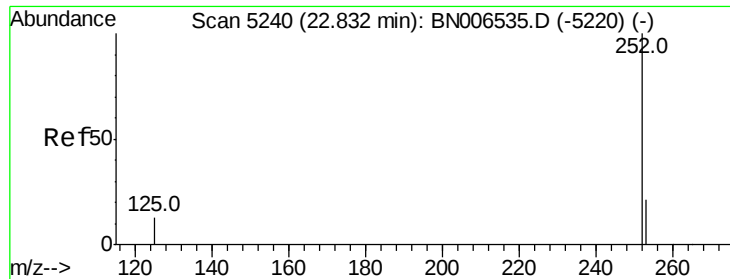
mohammad
6/25/2019 10:21:04 PM



#19
Chrysene
Concen: 0.124 ng/ul
RT: 21.29 min Scan# 4713
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.0	37.6
229	21.9	16.3	24.5





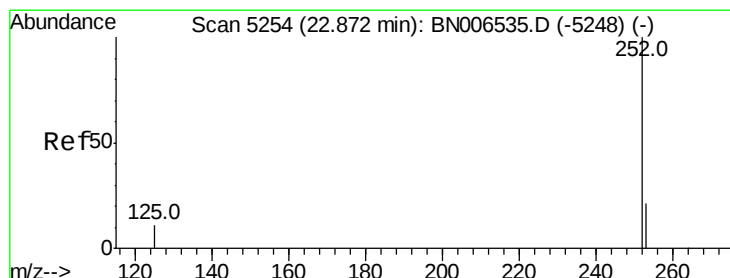
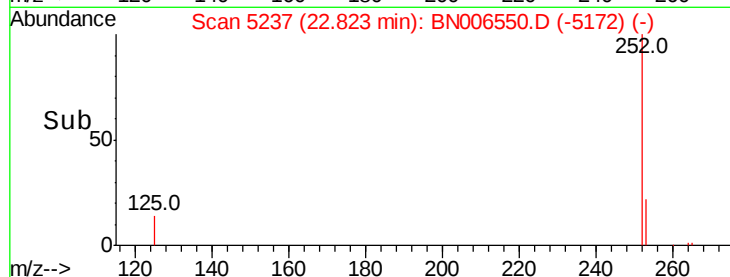
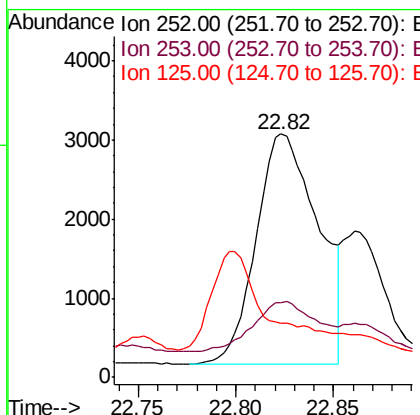
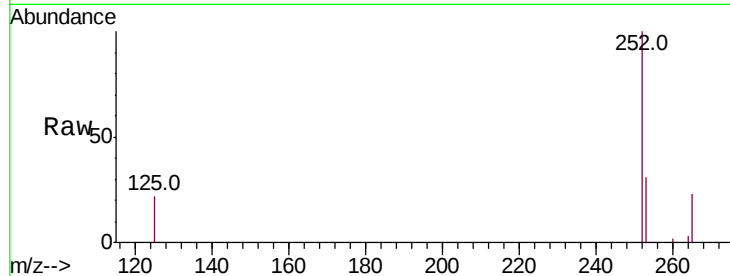
#21
Benzo(b)fluoranthene
Concen: 0.178 ng/ul m
RT: 22.82 min Scan# 5237
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Instrument :
BNA_N
ClientSampleId :
A41X8

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.6	0.0	51.4
125	22.2	0.0	41.0

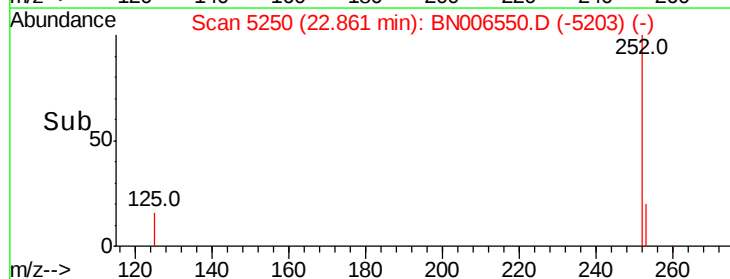
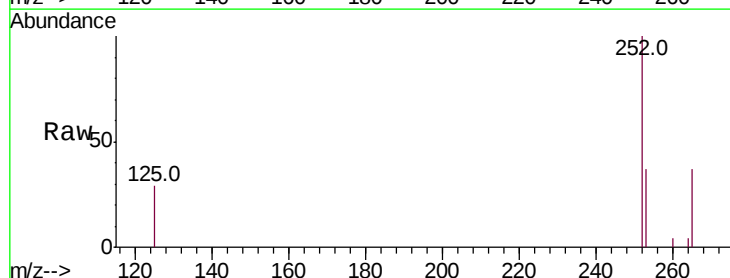
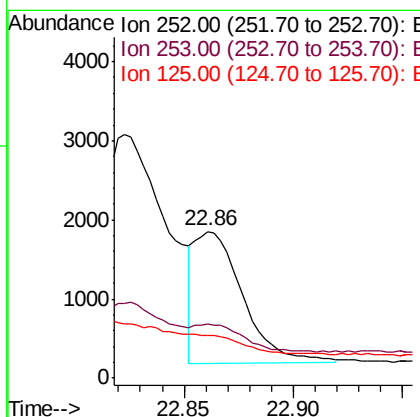
Manual Integrations
APPROVED

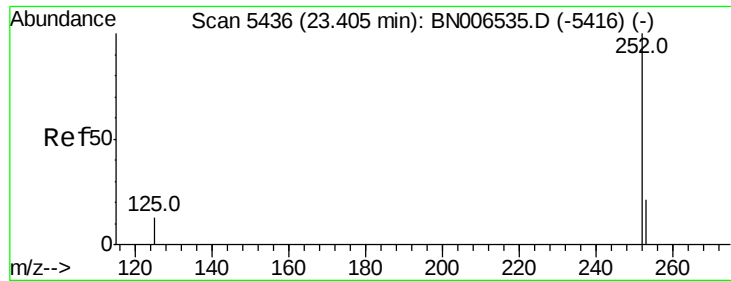
mohammad
6/25/2019 10:21:04 PM



#22
Benzo(k)fluoranthene
Concen: 0.073 ng/ul m
RT: 22.86 min Scan# 5250
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.7	20.3	30.5#
125	29.4	14.3	21.5#





#23

Benzo(a)pyrene

Concen: 0.130 ng/ul

RT: 23.39 min Scan# 5430

Delta R.T. -0.02 min

Lab File: BN006550.D

Acq: 25 Jun 2019 02:15

Instrument :

BNA_N

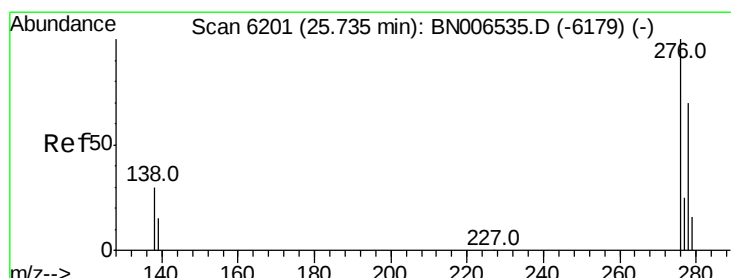
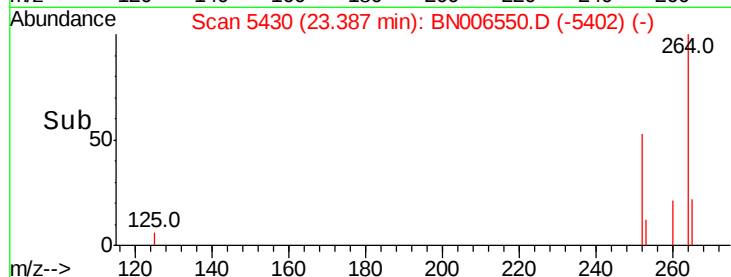
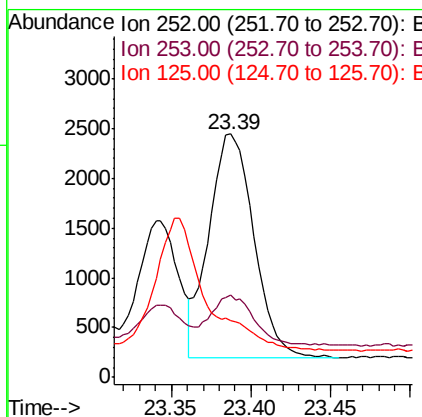
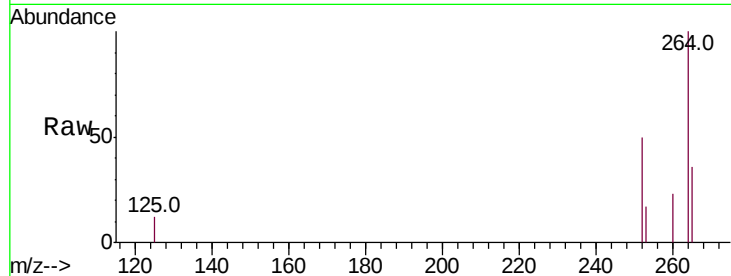
ClientSampleId :

A41X8

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.7	21.1	31.7#
125	23.4	20.3	30.5

Manual Integrations
APPROVED

mohammad
6/25/2019 10:21:04 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.083 ng/ul

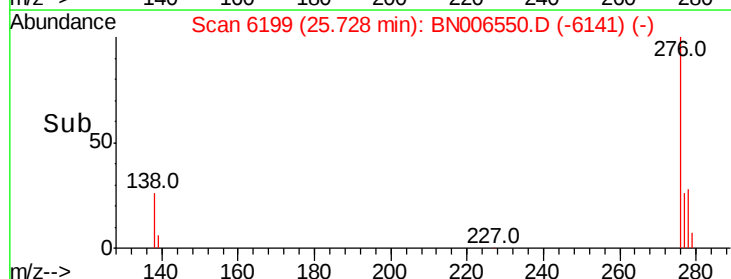
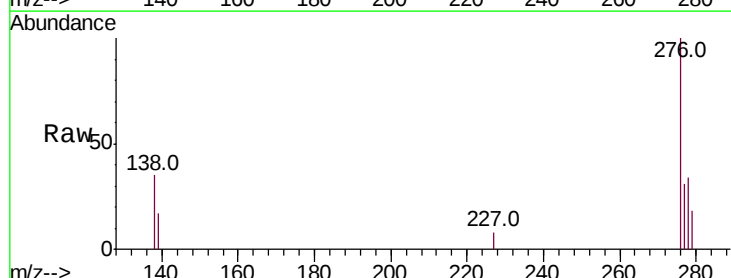
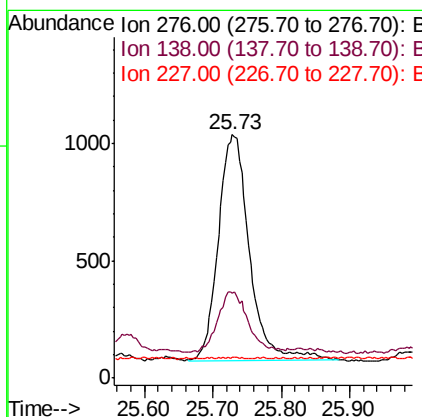
RT: 25.73 min Scan# 6199

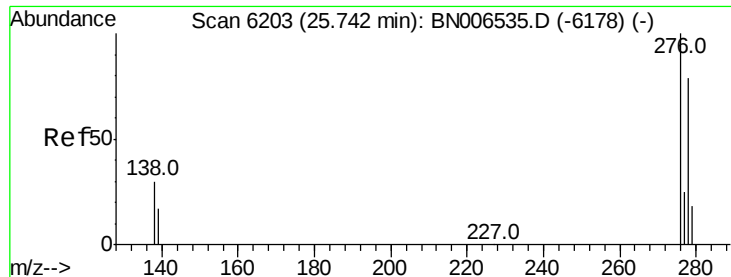
Delta R.T. -0.01 min

Lab File: BN006550.D

Acq: 25 Jun 2019 02:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.6	38.4
227	0.2	0.3	0.5#





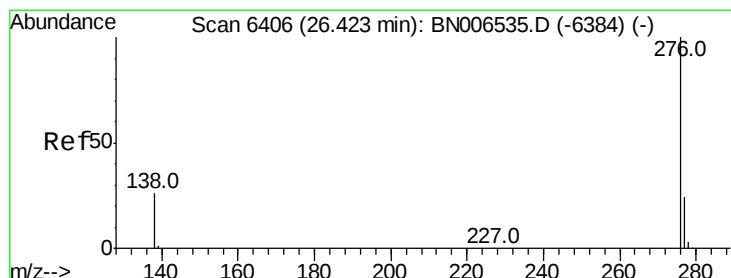
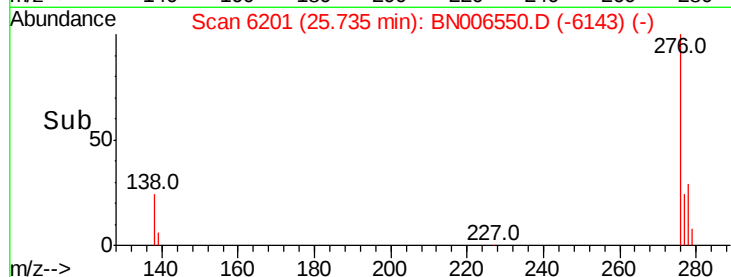
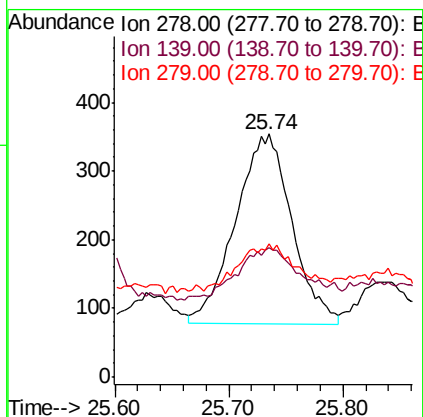
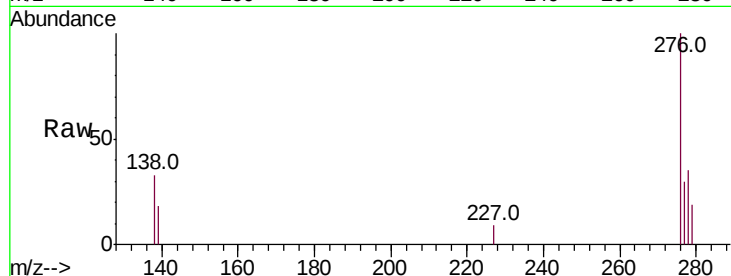
#25
Dibenzo(a,h)anthracene
Concen: 0.032 ng/ul
RT: 25.74 min Scan# 6201
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Instrument :
BNA_N
ClientSampleId :
A41X8

Tot Ion	Ratio	Lower	Upper
278	100		
139	53.1	21.2	31.8#
279	55.1	22.6	33.8#

Manual Integrations
APPROVED

mohammad
6/25/2019 10:21:04 PM



#26
Benzo(g,h,i)perylene
Concen: 0.078 ng/ul
RT: 26.41 min Scan# 6403
Delta R.T. -0.01 min
Lab File: BN006550.D
Acq: 25 Jun 2019 02:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.1	24.2	36.4
277	29.5	21.5	32.3

