

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101819\
 Data File : BN008250.D
 Acq On : 18 Oct 2019 16:48
 Operator : JU
 Sample : K5178-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPE7DL

Manual Integrations
 APPROVED

mohammad
 10/22/2019 1:40:27 AM

Quant Time: Oct 18 17:43:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 17:22:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3069	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	14978	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	9648	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	20709	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	20354	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	19370	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	685	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	2171	0.03	ng/ul	0.00

Target Compounds				Ovalue		
7) Acenaphthylene	13.95	152	1357	0.030	ng/ul#	87
12) Phenanthrene	17.02	178	9336	0.154	ng/ul	99
13) Anthracene	17.11	178	1914	0.036	ng/ul#	90
15) Fluoranthene	19.05	202	26131	0.326	ng/ul	99
17) Pyrene	19.41	202	26523	0.327	ng/ul	100
18) Benzo(a)anthracene	21.17	228	14631	0.198	ng/ul	95
19) Chrysene	21.22	228	17316	0.191	ng/ul	97
21) Benzo(b)fluoranthene	22.72	252	21136m	0.335	ng/ul	
22) Benzo(k)fluoranthene	22.75	252	8074m	0.113	ng/ul	
23) Benzo(a)pyrene	23.26	252	14193	0.214	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.52	276	9222	0.118	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.52	278	2083	0.034	ng/ul#	55
26) Benzo(g,h,i)perylene	26.17	276	9318	0.130	ng/ul#	94

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

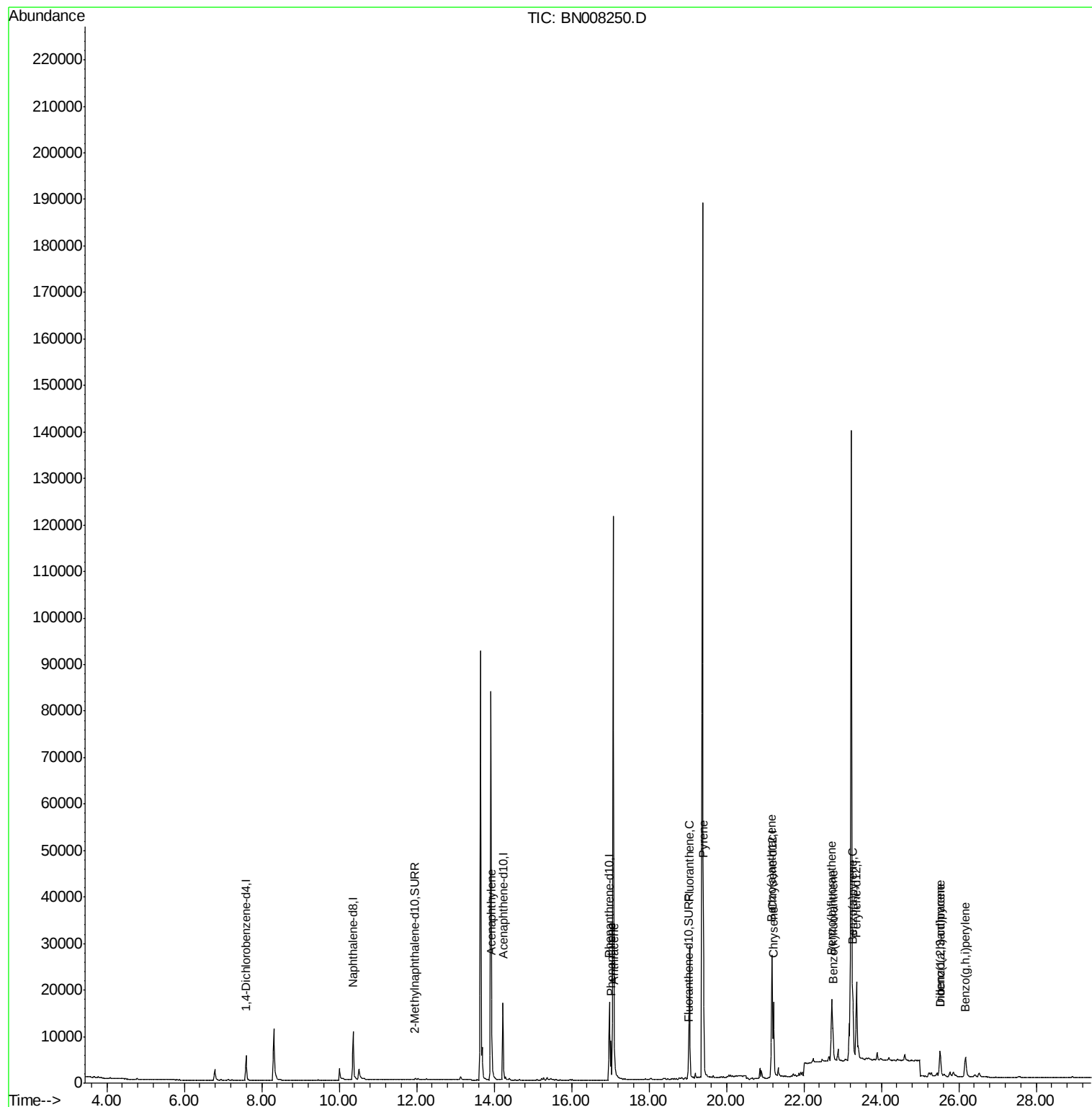
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101819\
Data File : BN008250.D
Acq On : 18 Oct 2019 16:48
Operator : JU
Sample : K5178-04DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

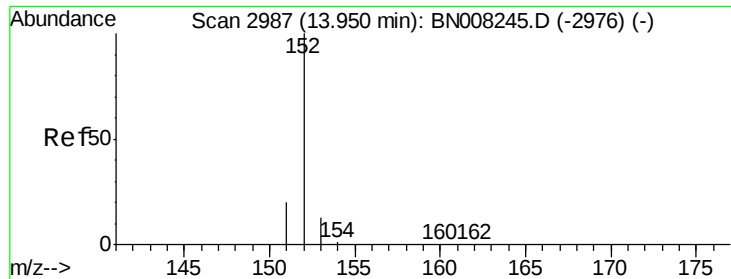
Instrument :
BNA_N
ClientSampleId :
BEPE7DL

Manual Integrations
APPROVED

mohammad
10/22/2019 1:40:27 AM

Quant Time: Oct 18 17:43:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 17:22:25 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Instrument :

BNA_N

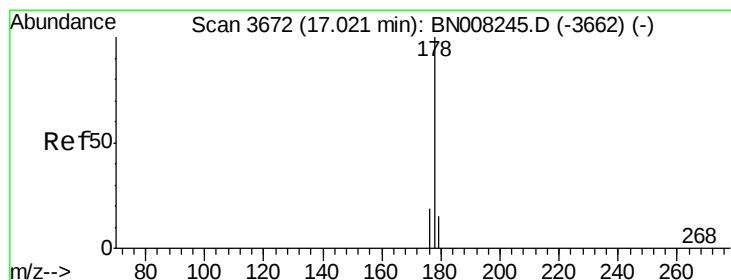
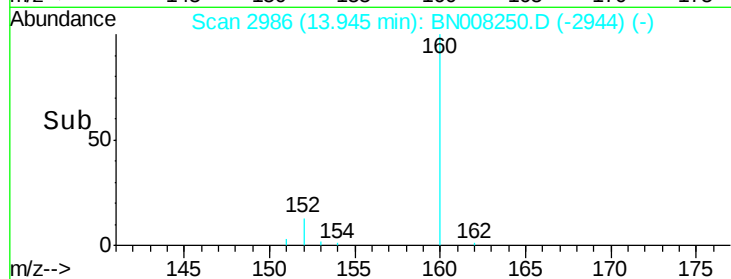
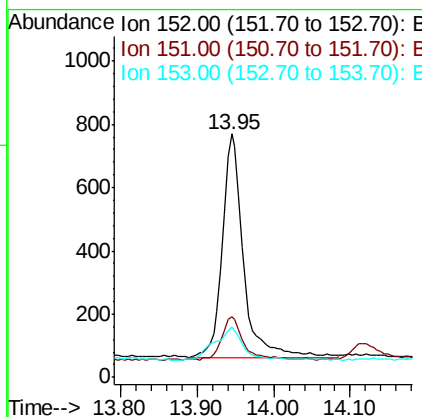
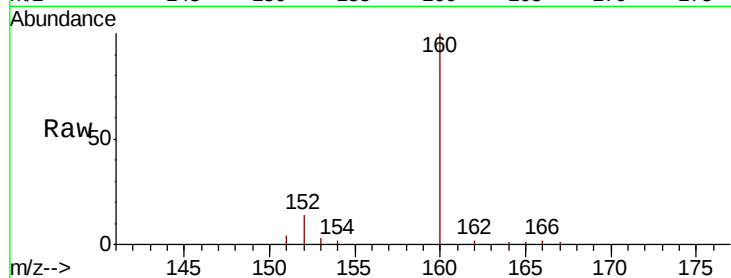
ClientSampleId :

BEPE7DL

Tot Ion:	152	Resp:	1357
Ion Ratio	Lower	Upper	
152	100		
151	24.8	16.2	24.4#
153	20.5	11.0	16.4#

Manual Integrations
APPROVED

mohammad
10/22/2019 1:40:27 AM



#12

Phenanthrene

Concen: 0.154 ng/ul

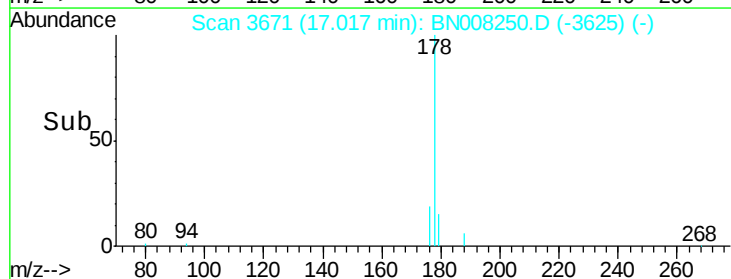
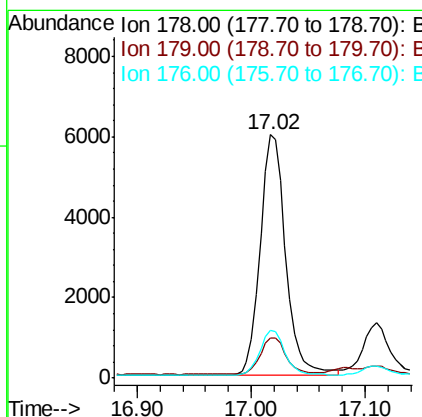
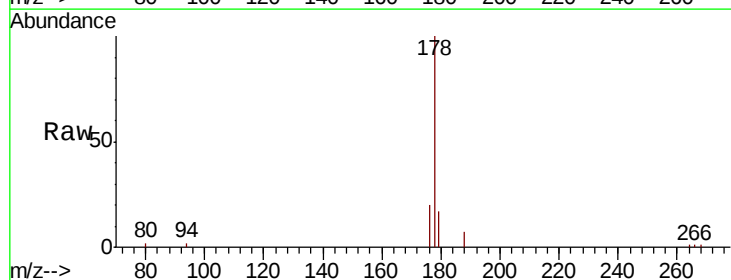
RT: 17.02 min Scan# 3671

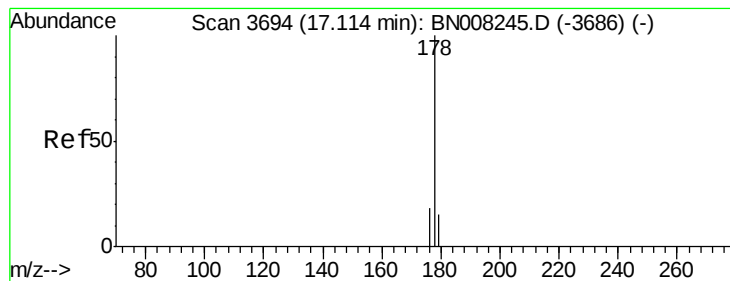
Delta R.T. -0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Tgt Ion:	178	Resp:	9336
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.8	19.2
176	19.8	15.4	23.2





#13

Anthracene

Concen: 0.036 ng/ul

RT: 17.11 min Scan# 3693

Delta R.T. -0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Instrument :

BNA_N

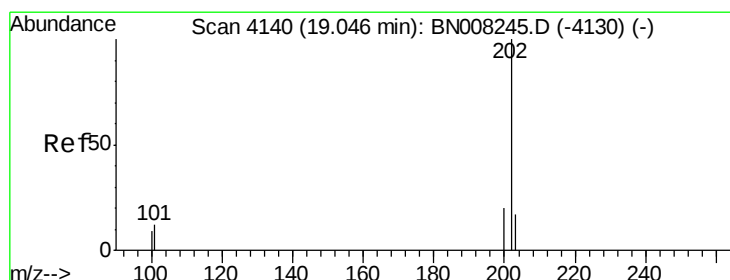
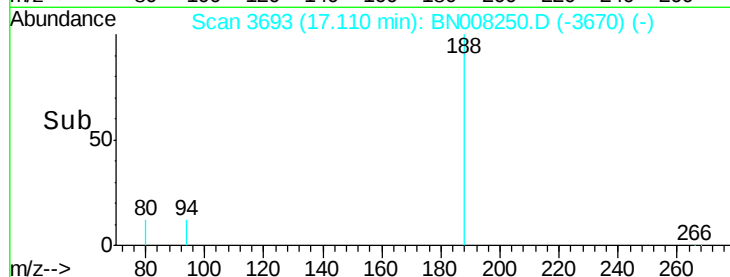
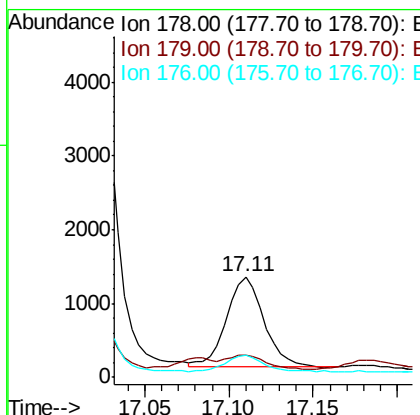
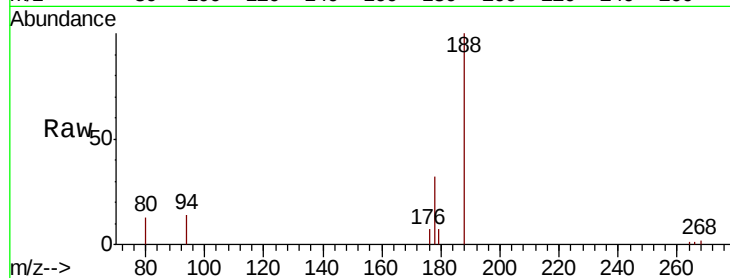
ClientSampleId :

BEPE7DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	22.5	13.0	19.6#
176	21.6	15.0	22.6

Manual Integrations
APPROVED

mohammad
10/22/2019 1:40:27 AM



#15

Fluoranthene

Concen: 0.326 ng/ul

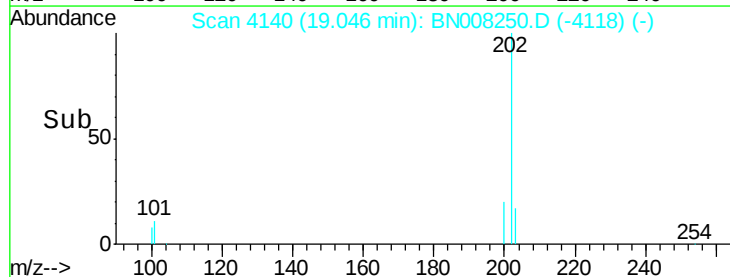
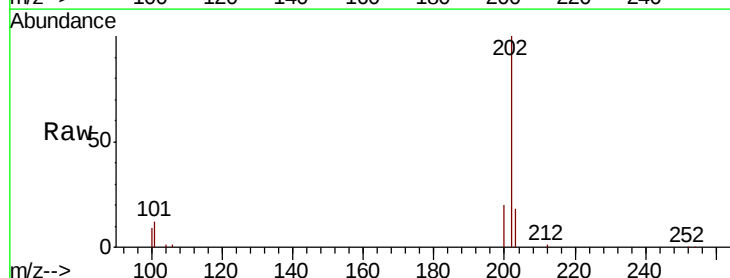
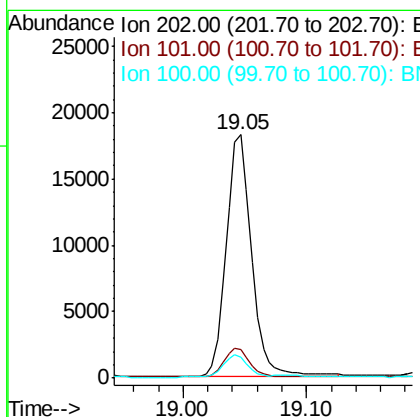
RT: 19.05 min Scan# 4140

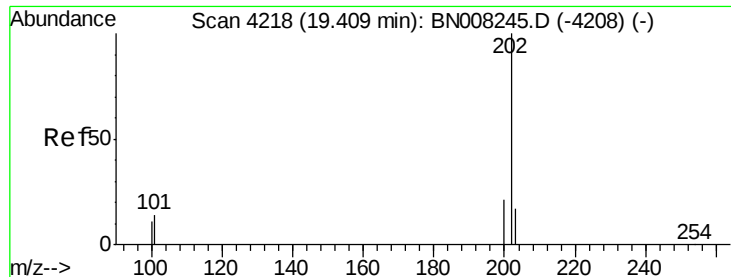
Delta R.T. 0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.2
100	8.8	0.0	28.5





#17

Pvrene

Concen: 0.327 ng/ul

RT: 19.41 min Scan# 4218

Delta R.T. 0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Instrument :

BNA_N

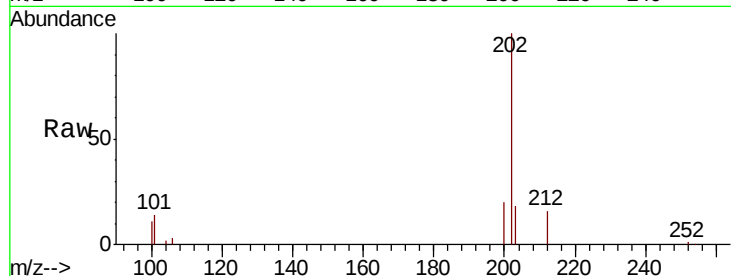
ClientSampleId :

BEPE7DL

Tot Ion:	202	Resp:	26523
Ion Ratio	Lower	Upper	
202	100		
101	13.5	10.9	16.3
100	11.2	8.7	13.1

Manual Integrations
APPROVED

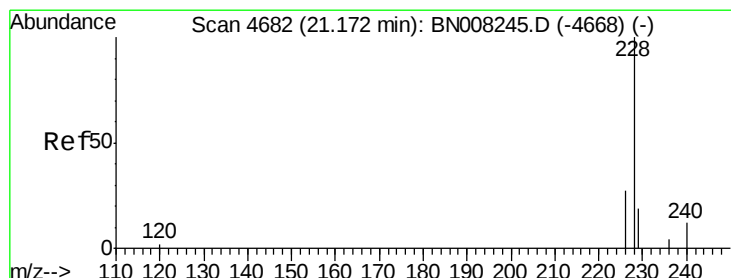
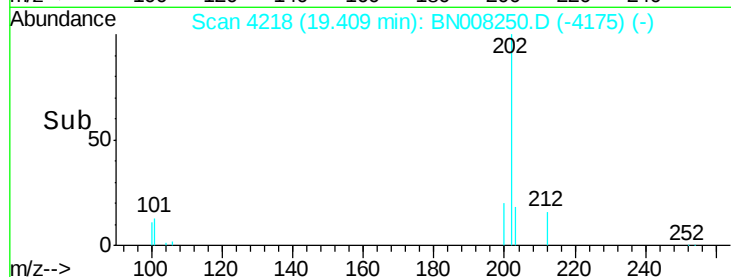
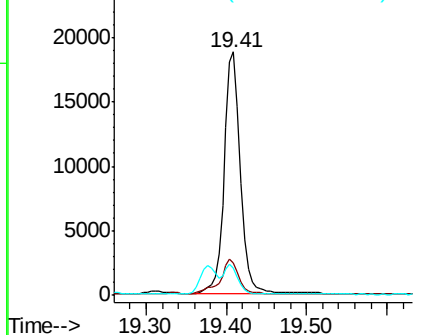
mohammad
10/22/2019 1:40:27 AM



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): E



#18

Benzo(a)anthracene

Concen: 0.198 ng/ul

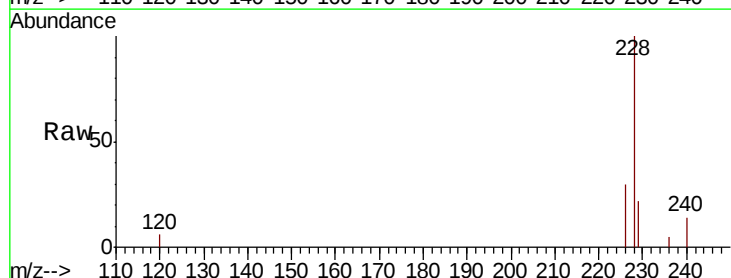
RT: 21.17 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

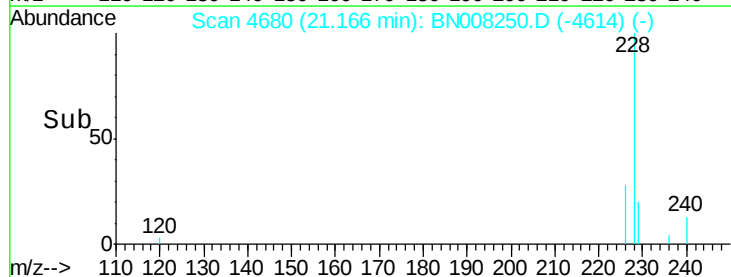
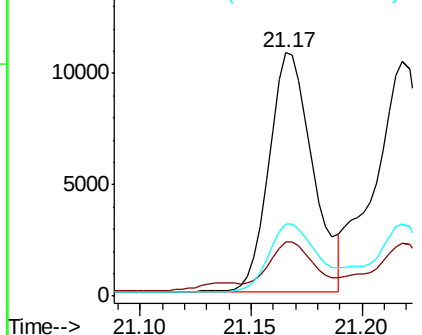
Tgt Ion:	228	Resp:	14631
Ion Ratio	Lower	Upper	
228	100		
229	22.1	16.2	24.2
226	29.7	21.4	32.0

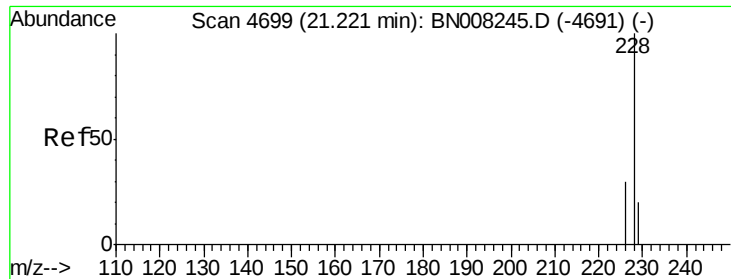


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.191 ng/ul

RT: 21.22 min Scan# 4698

Delta R.T. -0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Instrument :

BNA_N

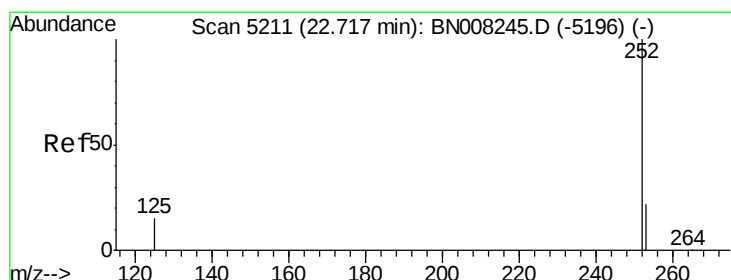
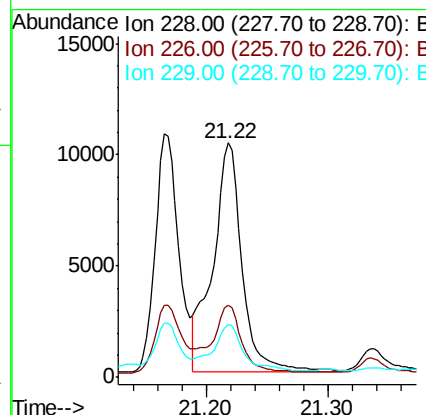
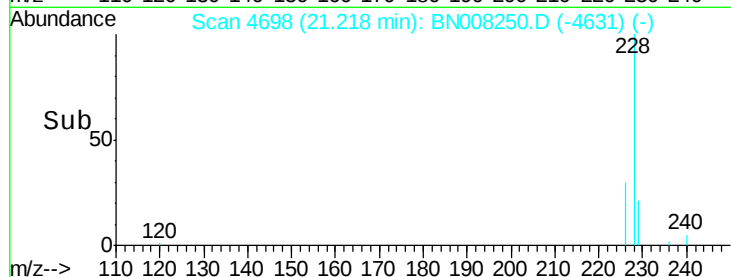
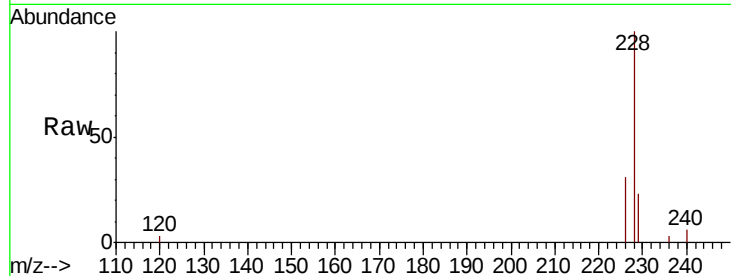
ClientSampleId :

BEPE7DL

Tot Ion:	228	Resp:	17316
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.1	36.1
229	22.7	16.2	24.2

Manual Integrations
APPROVED

mohammad
10/22/2019 1:40:27 AM



#21

Benzo(b)fluoranthene

Concen: 0.335 ng/ul m

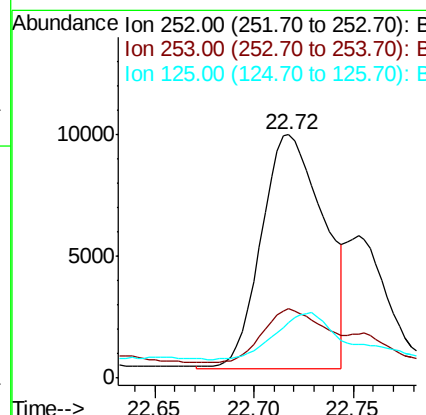
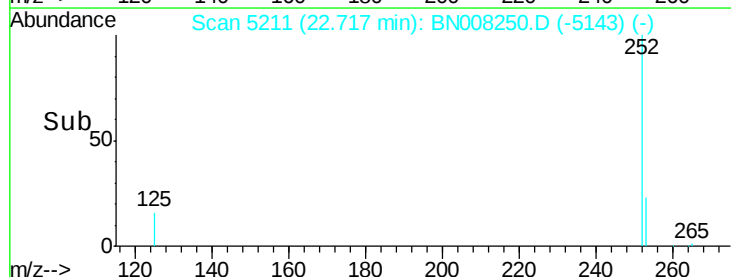
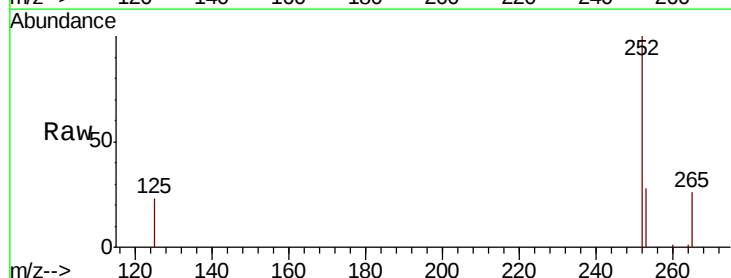
RT: 22.72 min Scan# 5211

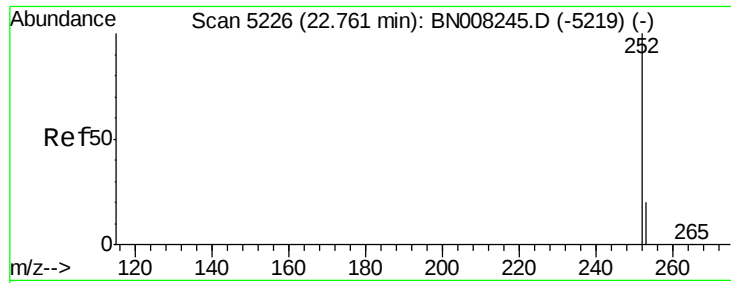
Delta R.T. 0.00 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Tgt Ion:	252	Resp:	21136
Ion	Ratio	Lower	Upper
252	100		
253	28.3	0.0	53.4
125	22.7	0.0	32.4





#22

Benzo(k)fluoranthene

Concen: 0.113 ng/ul m

RT: 22.75 min Scan# 5223

Delta R.T. -0.01 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Instrument :

BNA_N

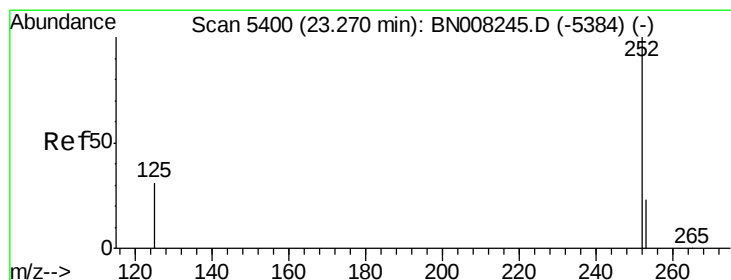
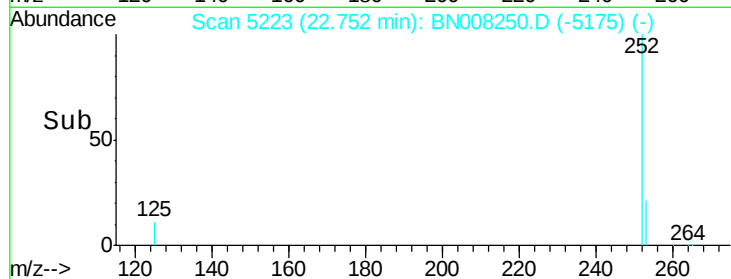
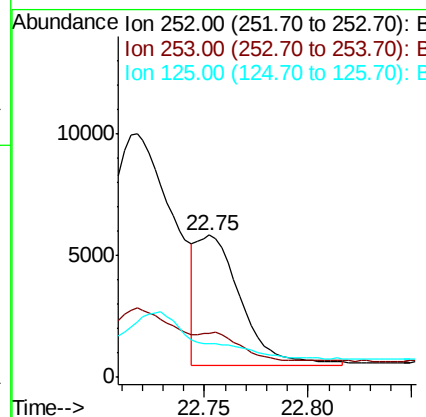
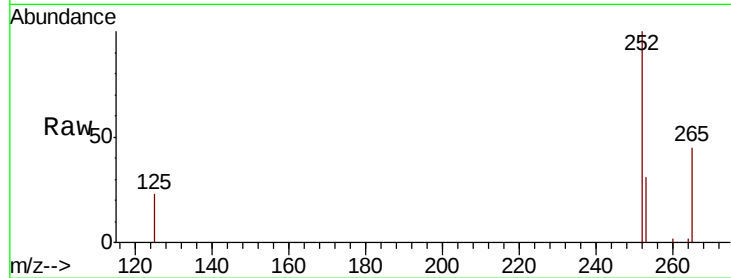
ClientSampleId :

BEPE7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.3	21.3	31.9
125	23.2	12.3	18.5#

Manual Integrations
APPROVED

mohammad
10/22/2019 1:40:27 AM



#23

Benzo(a)pyrene

Concen: 0.214 ng/ul

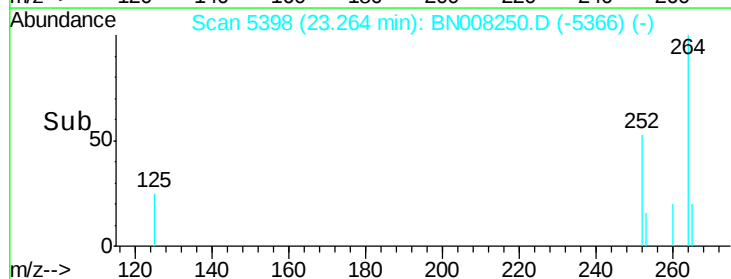
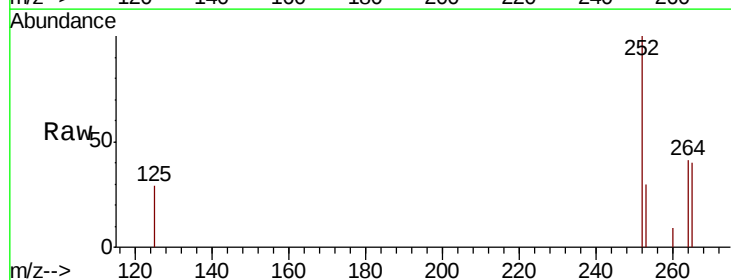
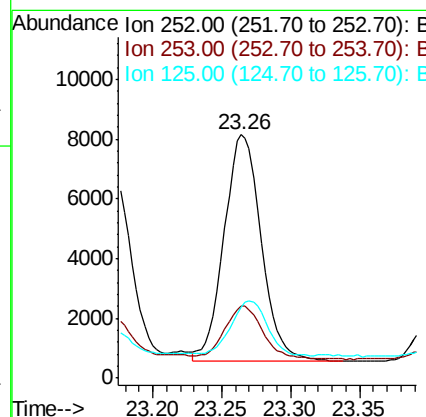
RT: 23.26 min Scan# 5398

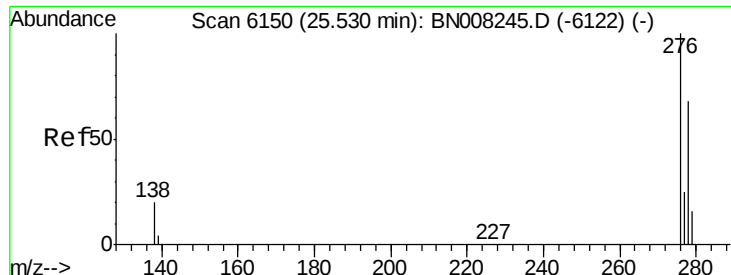
Delta R.T. -0.01 min

Lab File: BN008250.D

Acq: 18 Oct 2019 16:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	22.8	34.2
125	29.1	18.4	27.6#





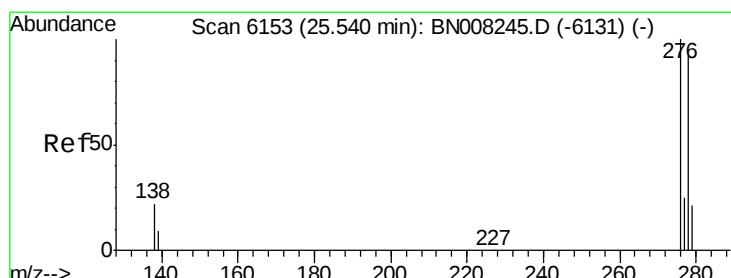
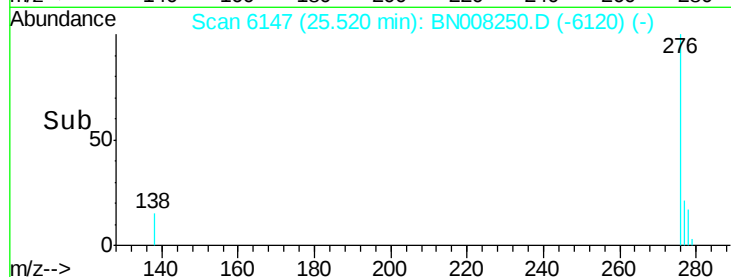
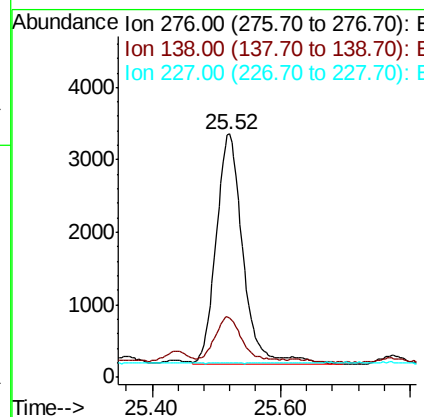
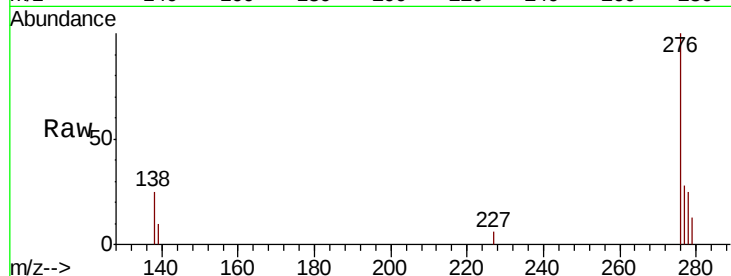
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.118 ng/ul
 RT: 25.52 min Scan# 6147
 Delta R.T. -0.01 min
 Lab File: BN008250.D
 Acq: 18 Oct 2019 16:48

Instrument :
 BNA_N
 ClientSampleId :
 BEPE7DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.1	24.1
227	0.2	0.2	0.2

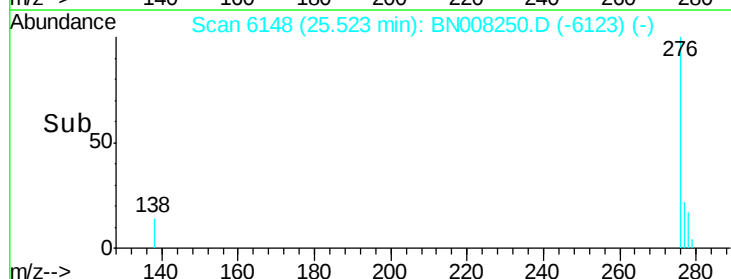
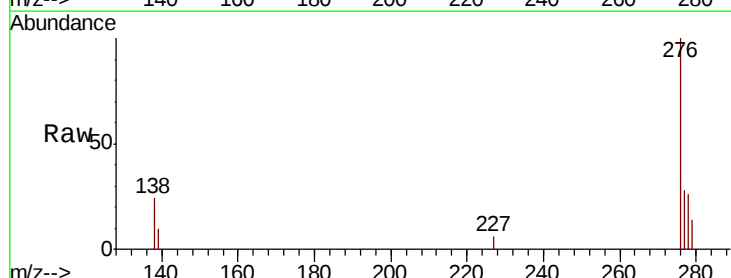
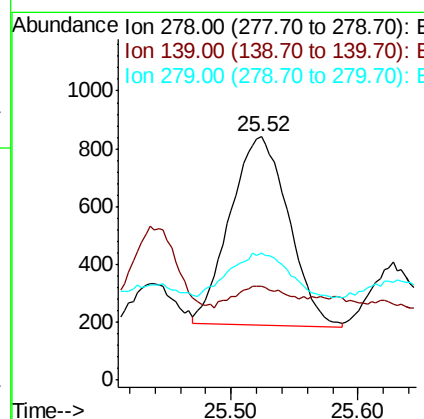
Manual Integrations
 APPROVED

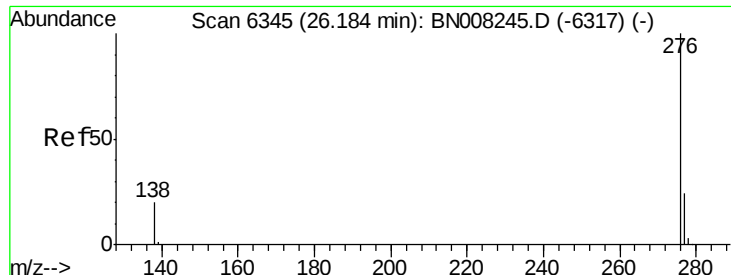
mohammad
 10/22/2019 1:40:27 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.034 ng/ul
 RT: 25.52 min Scan# 6148
 Delta R.T. -0.02 min
 Lab File: BN008250.D
 Acq: 18 Oct 2019 16:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.4	15.0	22.6
279	52.4	22.4	33.6





#26
 Benzo(a,h,i)perylene
 Concen: 0.130 ng/ul
 RT: 26.17 min Scan# 6341
 Delta R.T. -0.01 min
 Lab File: BN008250.D
 Acq: 18 Oct 2019 16:48

Instrument :
 BNA_N
 ClientSampleId :
 BEPE7DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	17.0	25.4#
277	27.4	20.4	30.6

Manual Integrations
 APPROVED

mohammad
 10/22/2019 1:40:27 AM

