

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006221.D
 Acq On : 10 Jun 2019 14:15
 Operator : JU/SJ
 Sample : K3016-15DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51D2DL

Manual Integrations
 APPROVED

mohammad
 6/11/2019 4:27:55 PM

Quant Time: Jun 11 00:48:58 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4184	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15497	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	7736	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	15807	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	12570	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	16440	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	972	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	1952	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	2125	0.050	ng/ul#	87
7) Acenaphthylene	14.01	152	4730	0.110	ng/ul	97
8) Acenaphthene	14.36	153	735	0.025	ng/ul	95
9) Fluorene	15.35	166	1165	0.033	ng/ul#	93
12) Phenanthrene	17.09	178	22695	0.447	ng/ul	100
13) Anthracene	17.18	178	7198	0.149	ng/ul	96
15) Fluoranthene	19.12	202	56706	1.012	ng/ul	96
17) Pyrene	19.49	202	53772	0.812	ng/ul	99
18) Benzo(a)anthracene	21.25	228	28295	0.509	ng/ul	99
19) Chrysene	21.30	228	26633	0.510	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	38322m	0.559	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	14654m	0.219	ng/ul	
23) Benzo(a)pyrene	23.40	252	25848	0.405	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.72	276	17766	0.257	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.74	278	4246	0.077	ng/ul#	83
26) Benzo(a,h,i)perylene	26.41	276	15253	0.264	ng/ul	98

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

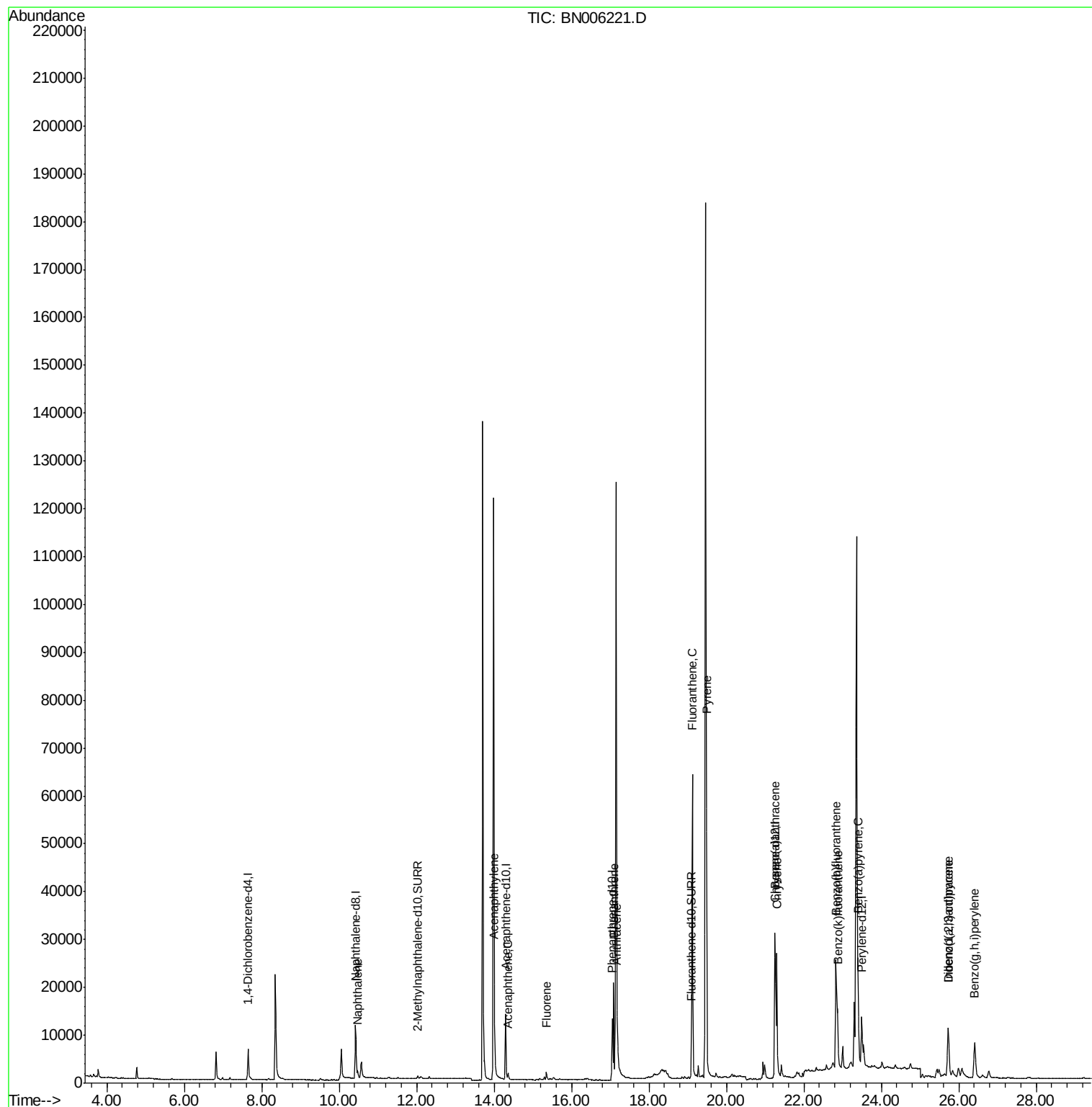
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006221.D
Acq On : 10 Jun 2019 14:15
Operator : JU/SJ
Sample : K3016-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

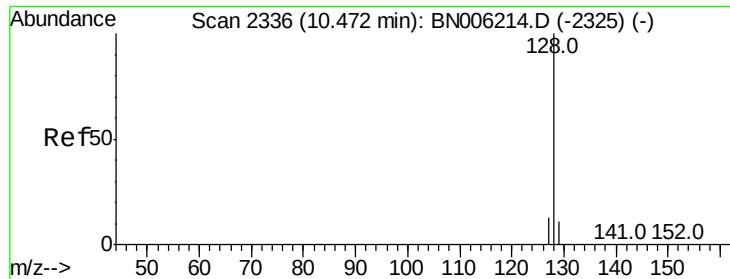
Instrument :
BNA_N
ClientSampleId :
A51D2DL

Manual Integrations
APPROVED

mohammad
6/11/2019 4:27:55 PM

Quant Time: Jun 11 00:48:58 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.050 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Instrument :

BNA_N

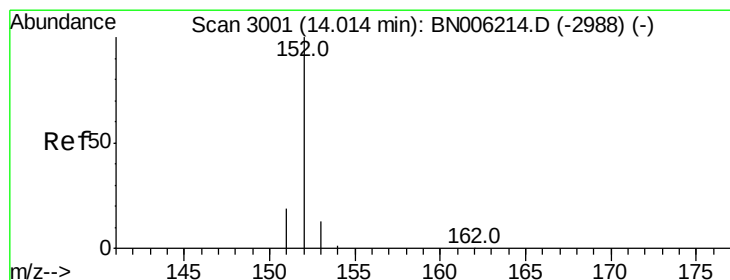
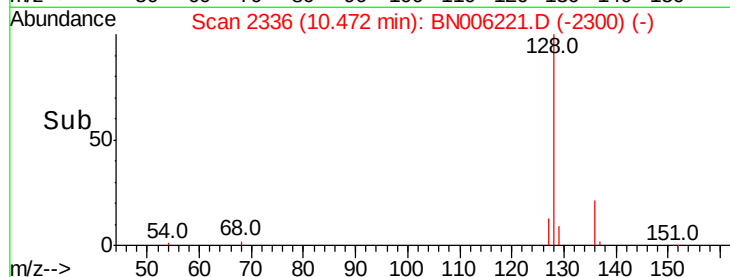
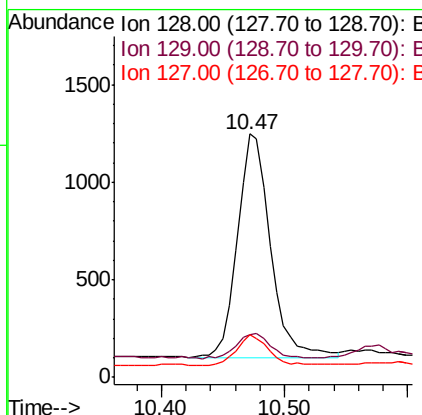
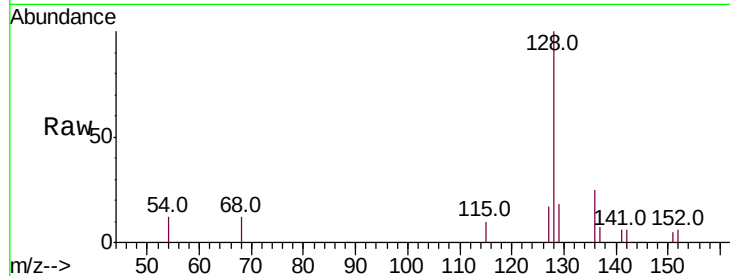
ClientSampleId :

A51D2DL

Tot Ion:	128	Resp:	2125
Ion Ratio	Lower	Upper	
128	100		
129	17.8	9.3	13.9#
127	17.4	10.7	16.1#

Manual Integrations
APPROVED

mohammad
6/11/2019 4:27:55 PM



#7

Acenaphthylene

Concen: 0.110 ng/ul

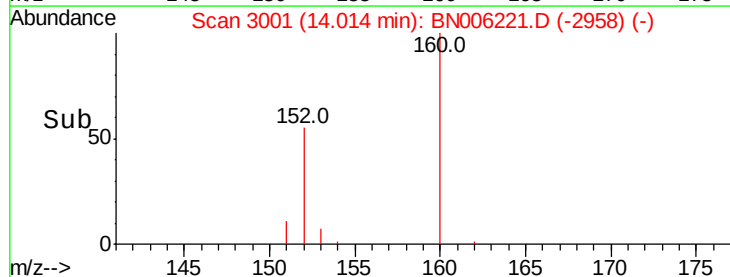
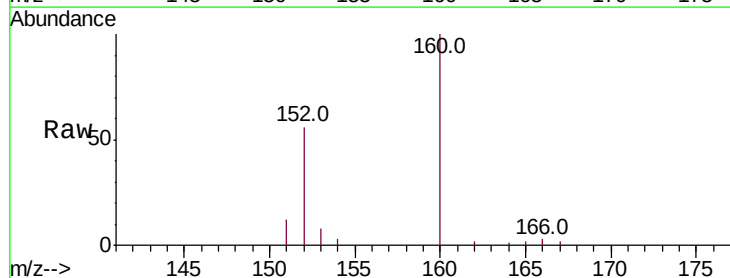
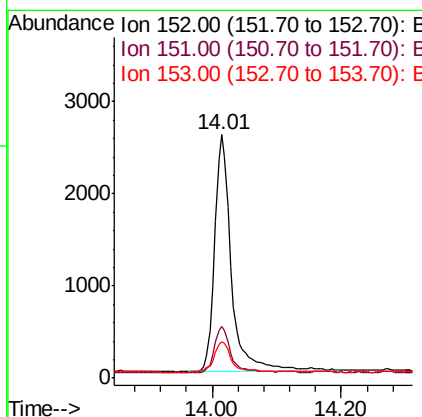
RT: 14.01 min Scan# 3001

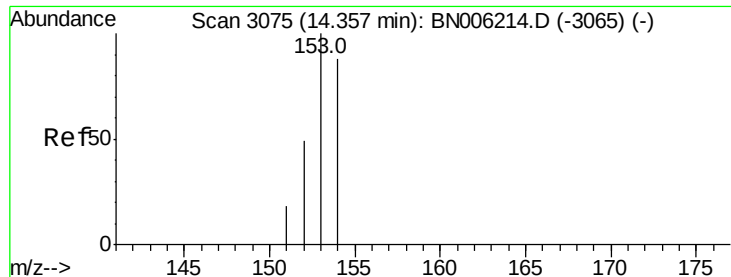
Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Tgt Ion:	152	Resp:	4730
Ion Ratio	Lower	Upper	
152	100		
151	21.1	15.8	23.8
153	15.0	10.8	16.2





#8

Acenaphthene

Concen: 0.025 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Instrument :

BNA_N

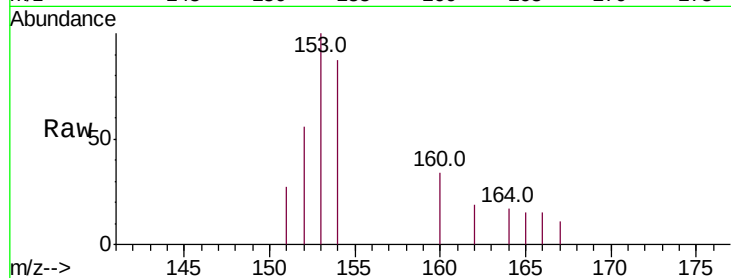
ClientSampleId :

A51D2DL

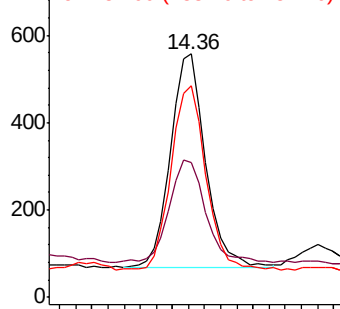
Tot Ion:	153	Resp:	735
Ion Ratio	Lower	Upper	
153	100		
152	55.6	39.1	58.7
154	87.1	71.1	106.7

Manual Integrations
APPROVED

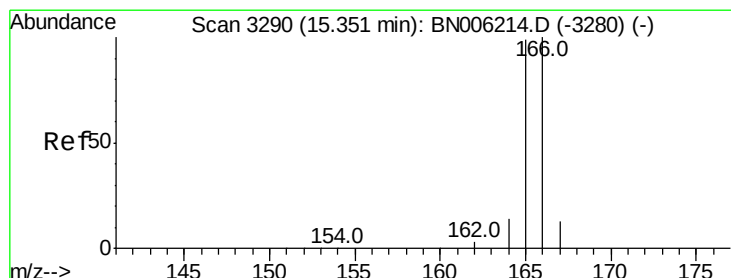
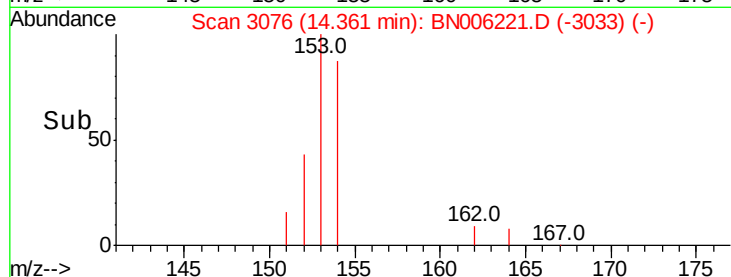
mohammad
6/11/2019 4:27:55 PM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.033 ng/ul

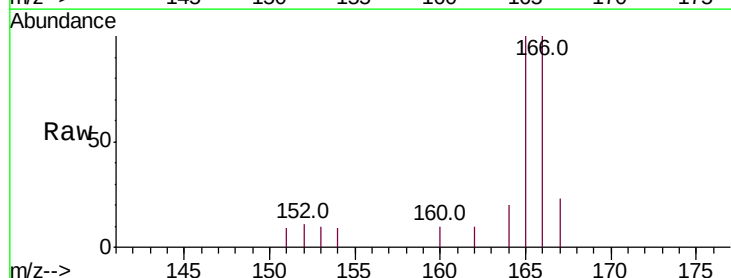
RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

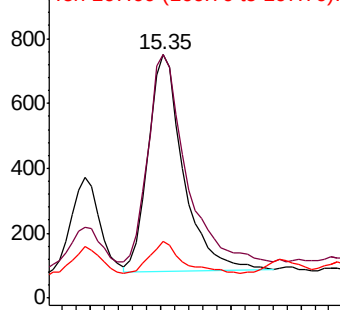
Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

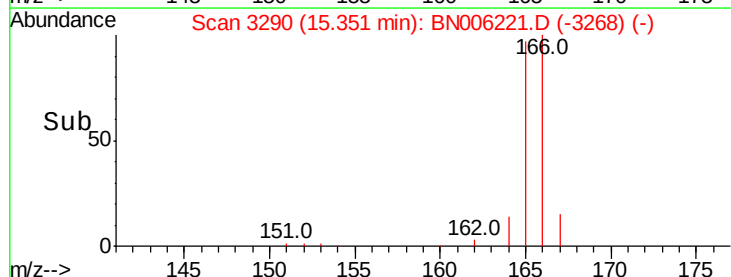
Tgt Ion:	166	Resp:	1165
Ion Ratio	Lower	Upper	
166	100		
165	100.1	76.4	114.6
167	23.1	11.0	16.6#

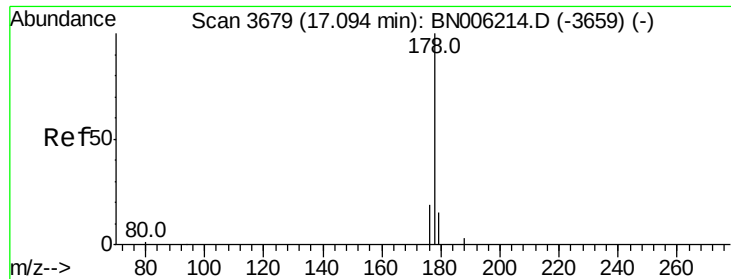


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 0.447 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Instrument :

BNA_N

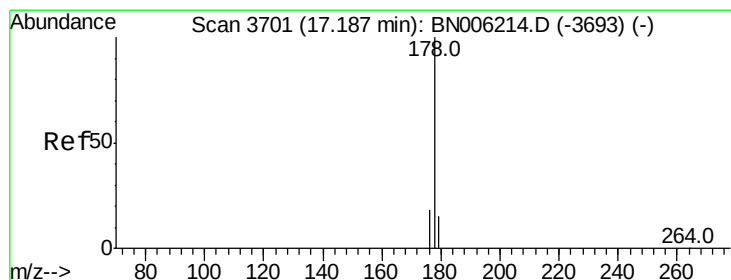
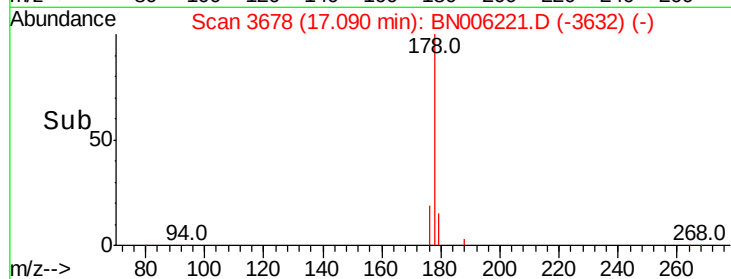
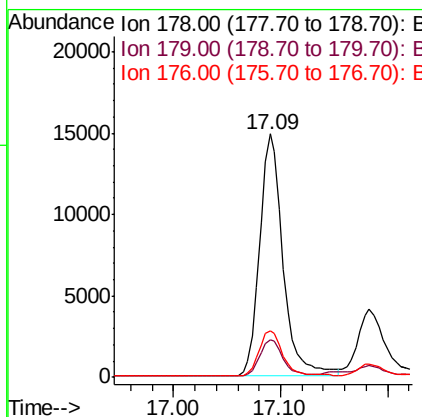
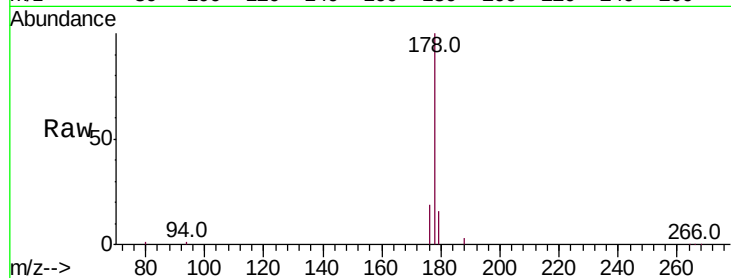
ClientSampleId :

A51D2DL

Tot Ion:	178	Resp:	22695
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.3	18.5
176	19.3	15.3	22.9

Manual Integrations
APPROVED

mohammad
6/11/2019 4:27:55 PM



#13

Anthracene

Concen: 0.149 ng/ul

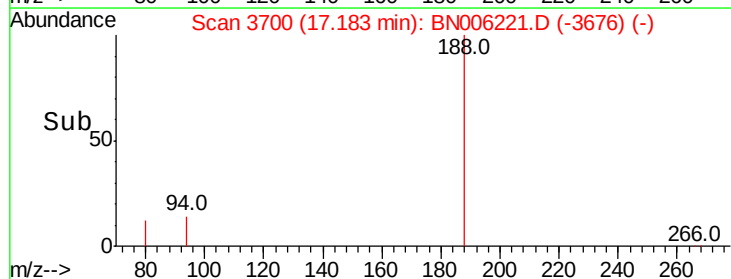
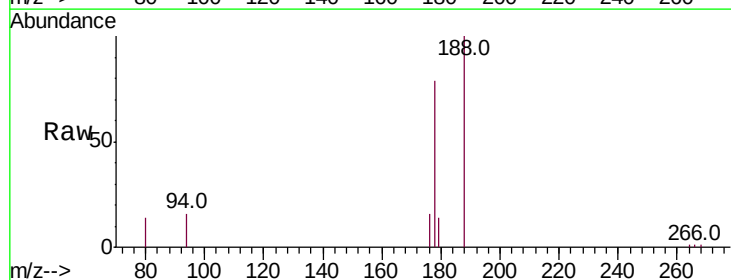
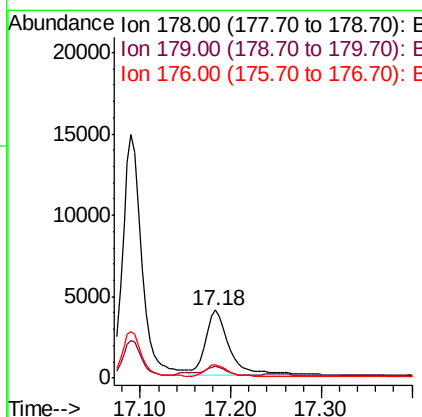
RT: 17.18 min Scan# 3700

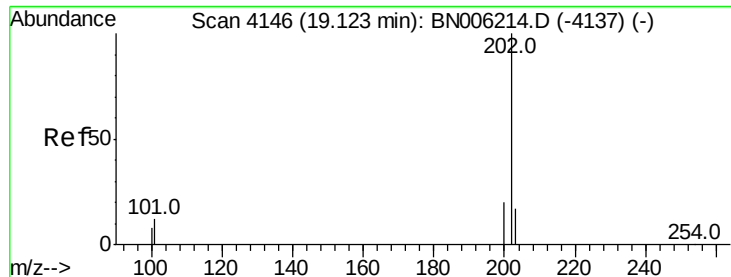
Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Tgt Ion:	178	Resp:	7198
Ion Ratio	Lower	Upper	
178	100		
179	18.0	12.2	18.4
176	20.1	15.1	22.7





#15

Fluoranthene

Concen: 1.012 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Instrument :

BNA_N

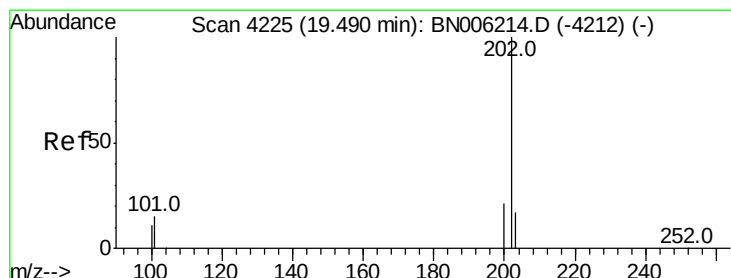
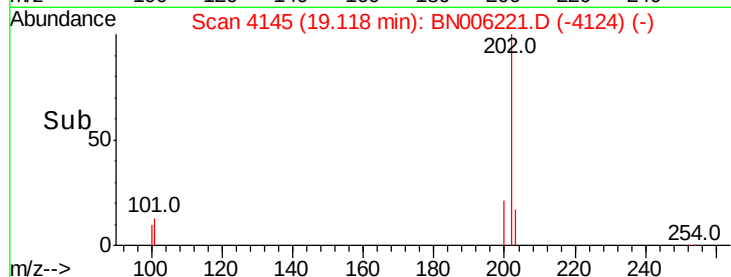
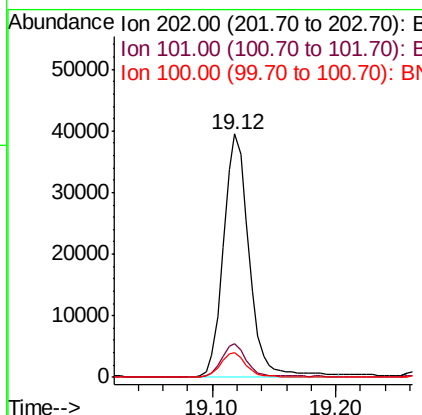
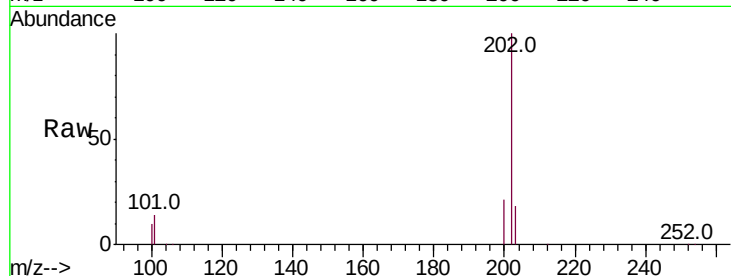
ClientSampleId :

A51D2DL

Tot Ion:	202	Resp:	56706
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	32.1
100	10.0	0.0	28.7

Manual Integrations
APPROVED

mohammad
6/11/2019 4:27:55 PM



#17

Pyrene

Concen: 0.812 ng/ul

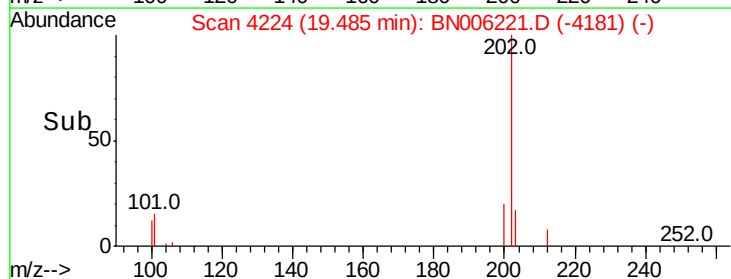
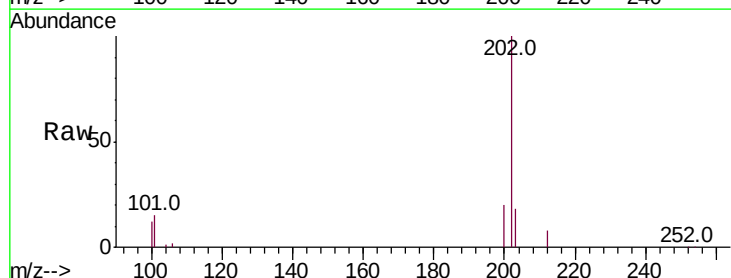
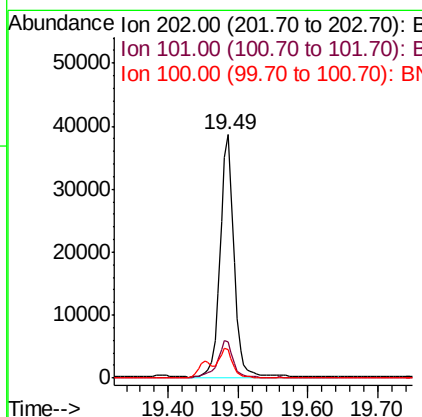
RT: 19.49 min Scan# 4224

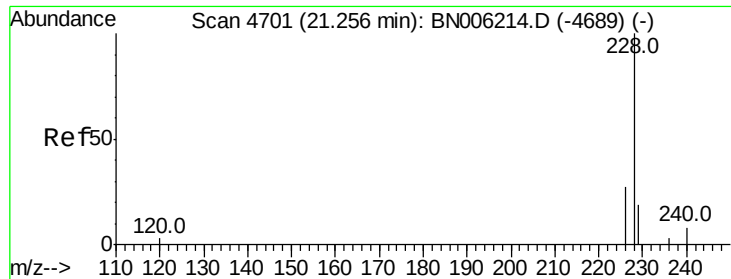
Delta R.T. -0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Tgt Ion:	202	Resp:	53772
Ion Ratio	Lower	Upper	
202	100		
101	14.7	12.2	18.2
100	11.6	9.8	14.6





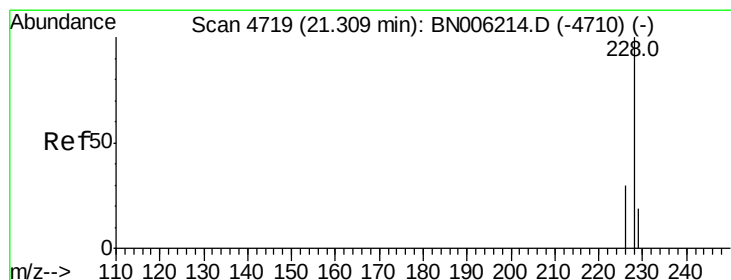
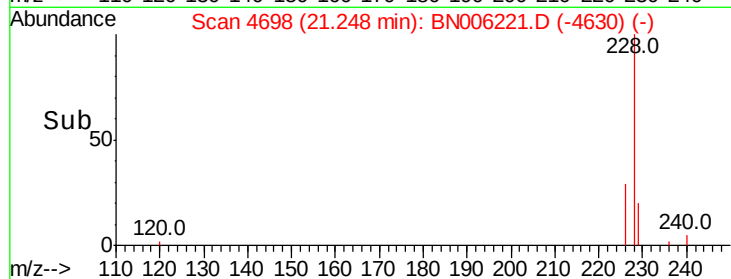
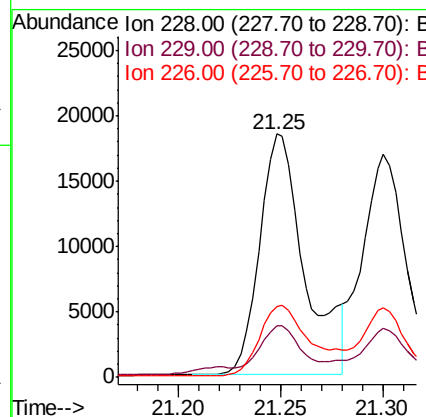
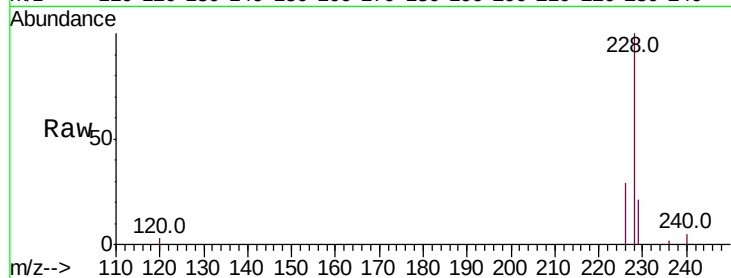
#18
Benzo(a)anthracene
Concen: 0.509 ng/ul
RT: 21.25 min Scan# 4698
Delta R.T. -0.00 min
Lab File: BN006221.D
Acq: 10 Jun 2019 14:15

Instrument :
BNA_N
ClientSampleId :
A51D2DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.5	24.7
226	29.3	22.8	34.2

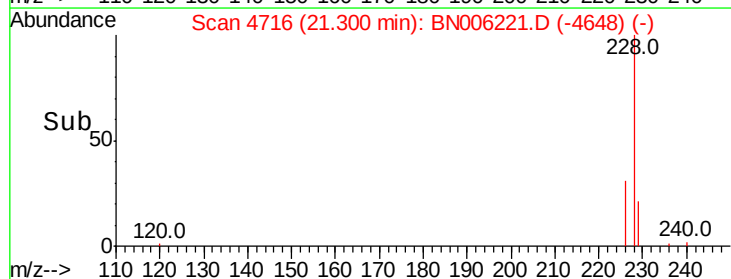
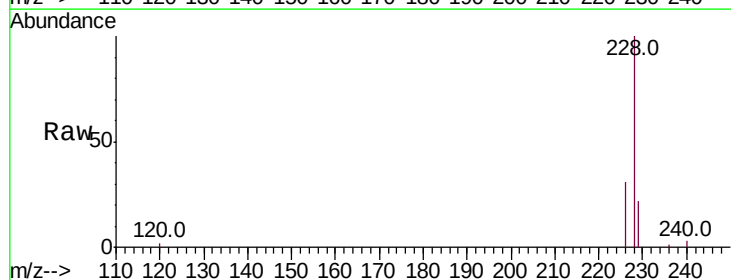
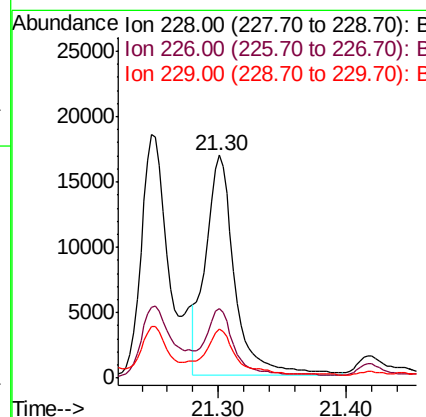
Manual Integrations
APPROVED

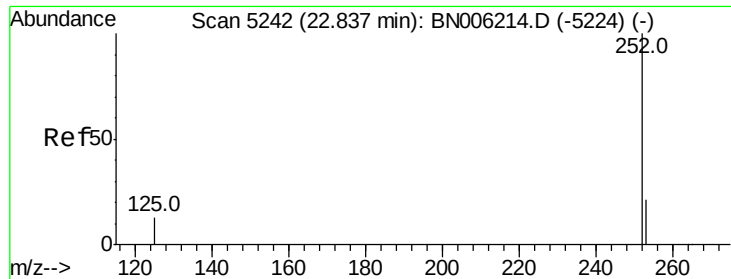
mohammad
6/11/2019 4:27:55 PM



#19
Chrysene
Concen: 0.510 ng/ul
RT: 21.30 min Scan# 4716
Delta R.T. -0.00 min
Lab File: BN006221.D
Acq: 10 Jun 2019 14:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.8	16.3	24.5





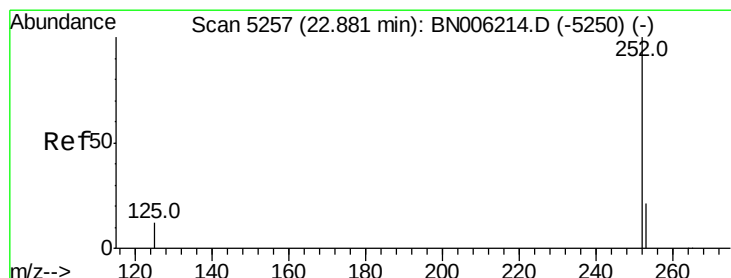
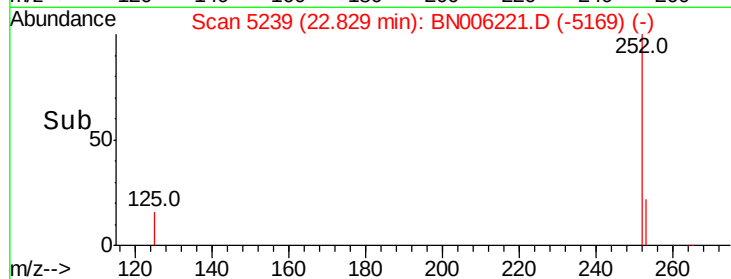
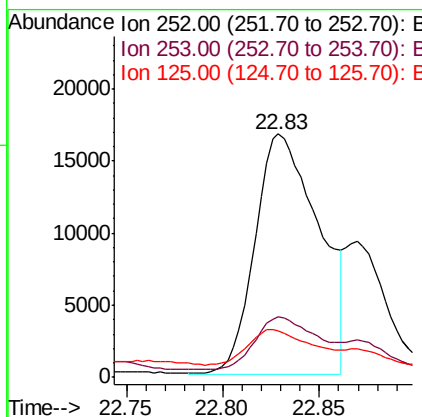
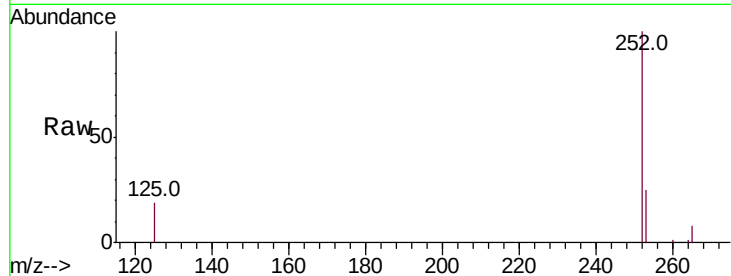
#21
Benzo(b)fluoranthene
Concen: 0.559 ng/ul m
RT: 22.83 min Scan# 5239
Delta R.T. 0.01 min
Lab File: BN006221.D
Acq: 10 Jun 2019 14:15

Instrument :
BNA_N
ClientSampleId :
A51D2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	0.0	51.4
125	19.0	0.0	41.0

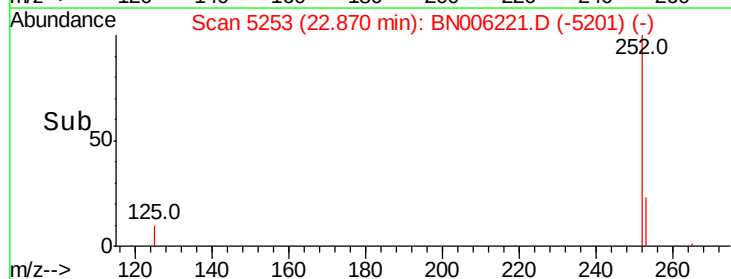
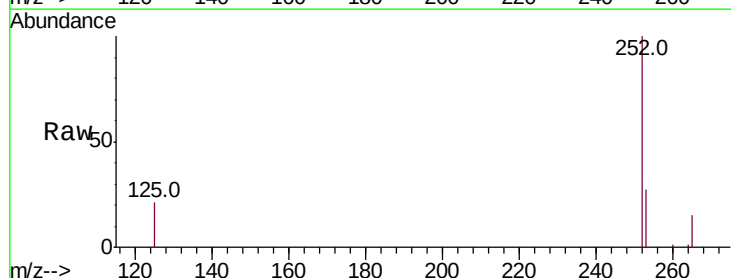
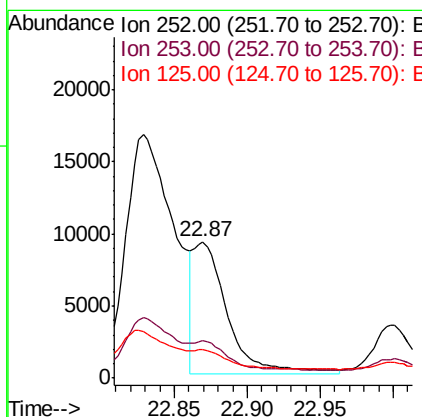
Manual Integrations
APPROVED

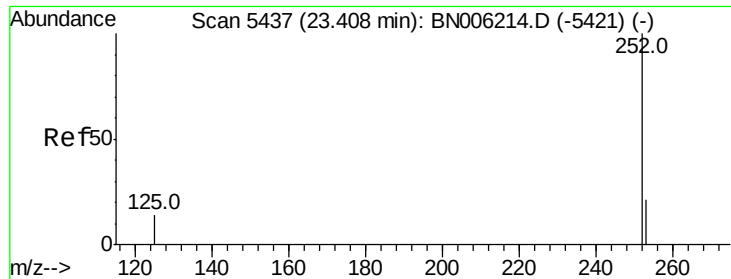
mohammad
6/11/2019 4:27:55 PM



#22
Benzo(k)fluoranthene
Concen: 0.219 ng/ul m
RT: 22.87 min Scan# 5253
Delta R.T. 0.00 min
Lab File: BN006221.D
Acq: 10 Jun 2019 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	20.3	30.5
125	20.8	14.3	21.5





#23

Benzo(a)pyrene

Concen: 0.405 ng/ul

RT: 23.40 min Scan# 5434

Delta R.T. 0.00 min

Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Instrument :

BNA_N

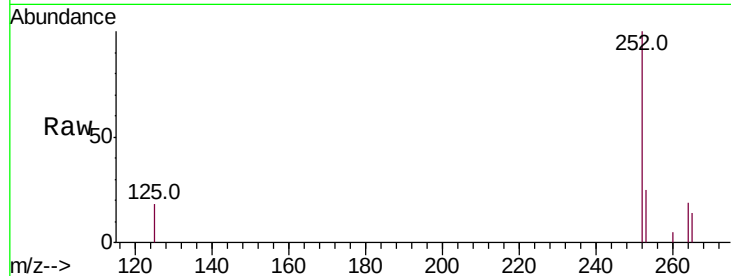
ClientSampleId :

A51D2DL

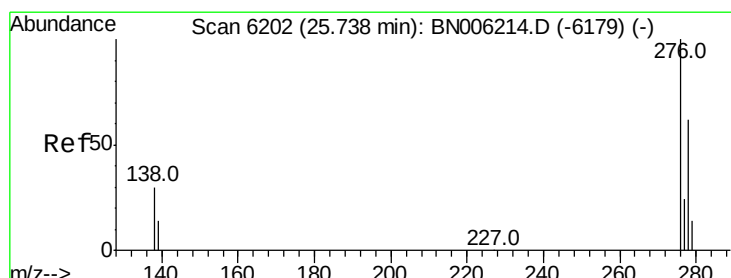
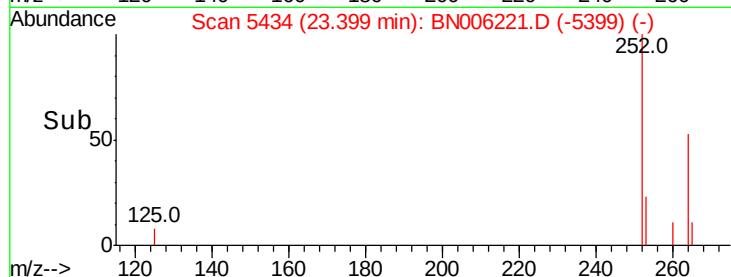
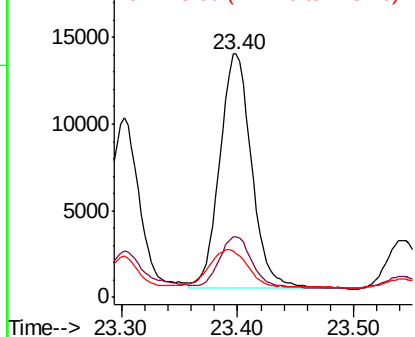
Tot Ion:	252	Resp:	25848
Ion Ratio	Lower	Upper	
252	100		
253	25.1	21.1	31.7
125	18.2	20.3	30.5#

Manual Integrations
APPROVED

mohammad
6/11/2019 4:27:55 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.257 ng/ul

RT: 25.72 min Scan# 6198

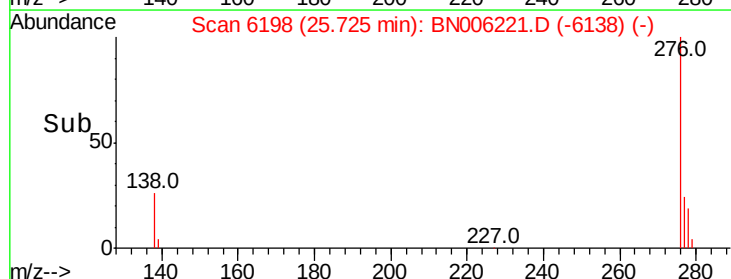
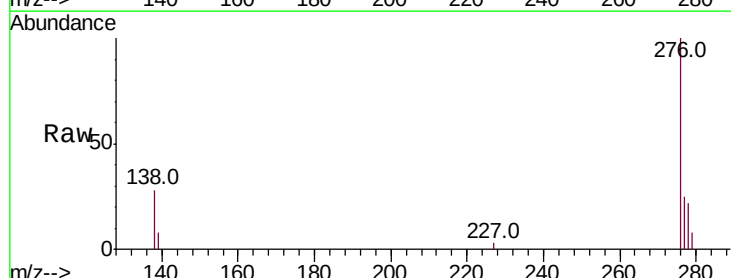
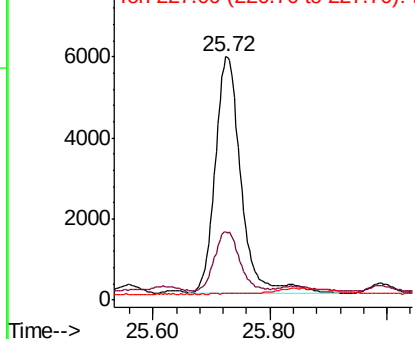
Delta R.T. -0.00 min

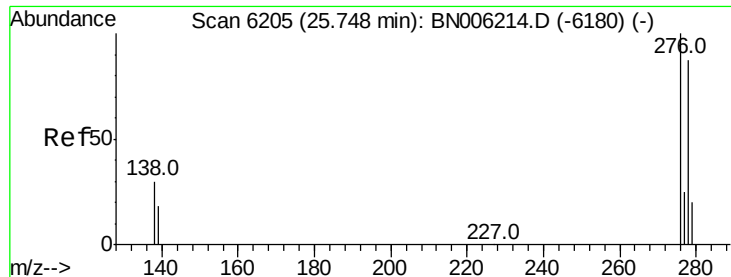
Lab File: BN006221.D

Acq: 10 Jun 2019 14:15

Tgt Ion:	276	Resp:	17766
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.6	38.4#
227	0.0	0.3	0.5#

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





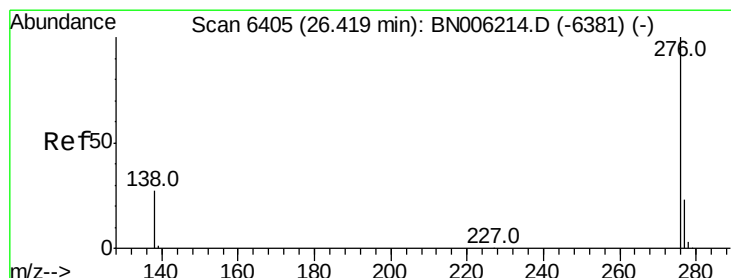
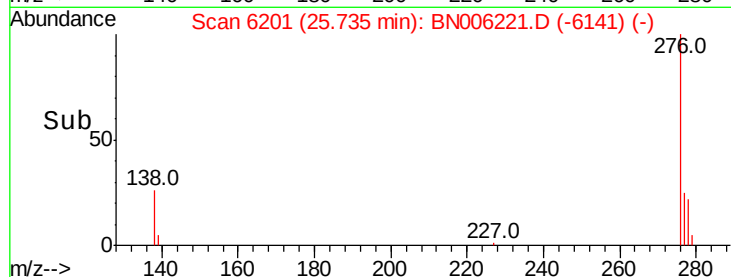
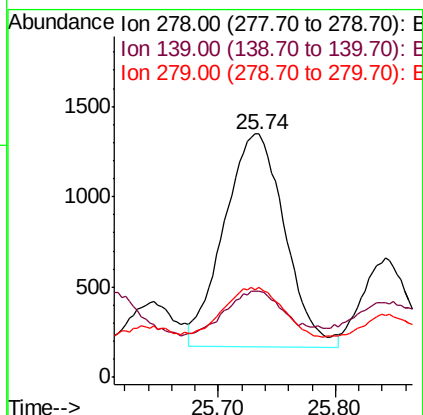
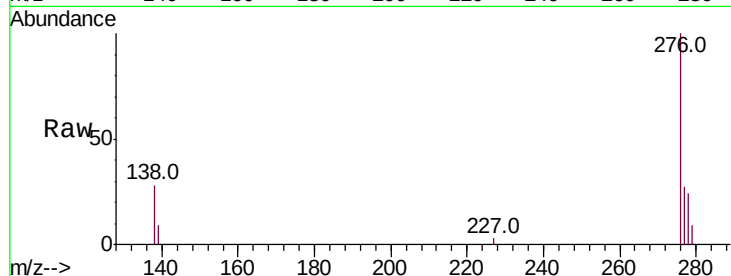
#25
Dibenzo(a,h)anthracene
Concen: 0.077 ng/ul
RT: 25.74 min Scan# 6201
Delta R.T. -0.00 min
Lab File: BN006221.D
Acq: 10 Jun 2019 14:15

Instrument :
BNA_N
ClientSampleId :
A51D2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.5	21.2	31.8#
279	37.2	22.6	33.8#

Manual Integrations
APPROVED

mohammad
6/11/2019 4:27:55 PM



#26
Benzo(g,h,i)perylene
Concen: 0.264 ng/ul
RT: 26.41 min Scan# 6403
Delta R.T. 0.01 min
Lab File: BN006221.D
Acq: 10 Jun 2019 14:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	24.2	36.4
277	25.1	21.5	32.3

