

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
 Data File : BN008616.D
 Acq On : 18 Nov 2019 22:31
 Operator : JU
 Sample : K5678-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLMA1

Manual Integrations
 APPROVED

mohammad
 11/19/2019 2:45:29 PM

Quant Time: Nov 19 03:06:01 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 : Tue Nov 19 01:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3240	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11760	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	7743	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13828	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	10679	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	12271	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3816	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8838	0.21	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	679223	19.159	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	403394	16.295	ng/ul	100
7) Acenaphthylene	13.97	152	6740	0.157	ng/ul#	80
8) Acenaphthene	14.32	153	347285	10.932	ng/ul	99
9) Fluorene	15.31	166	230242	6.172	ng/ul	99
11) Pentachlorophenol	16.65	266	210	0.040	ng/ul#	75
12) Phenanthrene	17.04	178	787574	16.888	ng/ul	98
13) Anthracene	17.13	178	256723	5.826	ng/ul	99
15) Fluoranthene	19.06	202	566677	9.891	ng/ul	100
17) Pyrene	19.42	202	411168	9.597	ng/ul	97
18) Benzo(a)anthracene	21.18	228	174240	4.057	ng/ul	96
19) Chrysene	21.23	228	162514m	3.853	ng/ul	
21) Benzo(b)fluoranthene	22.73	252	183308m	3.623	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	57604m	1.148	ng/ul	
23) Benzo(a)pyrene	23.28	252	131406	2.767	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.53	276	77975	1.404	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.54	278	19876	0.443	ng/ul#	33
26) Benzo(g,h,i)perylene	26.18	276	73617	1.584	ng/ul#	93

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

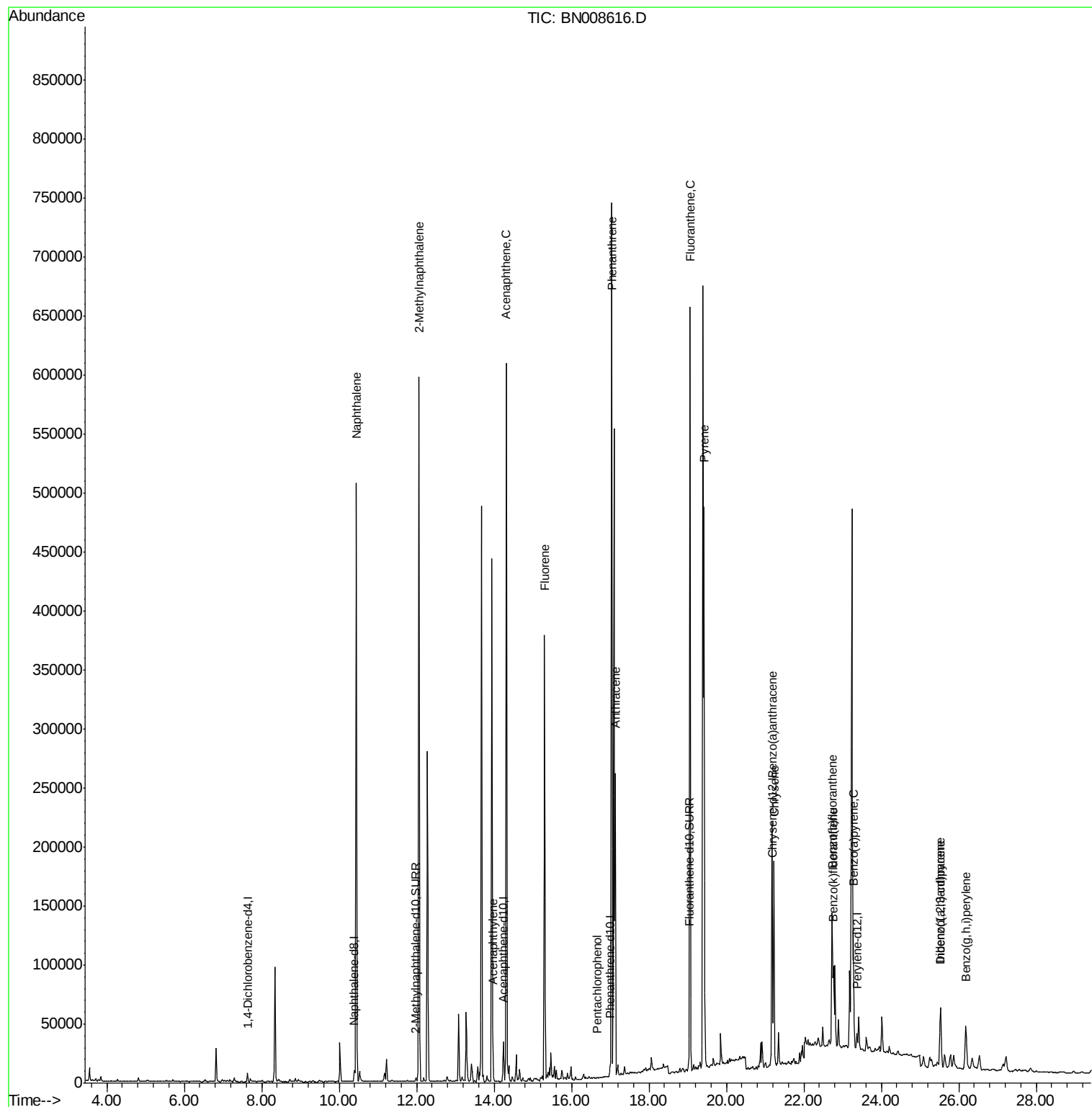
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
Data File : BN008616.D
Acq On : 18 Nov 2019 22:31
Operator : JU
Sample : K5678-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

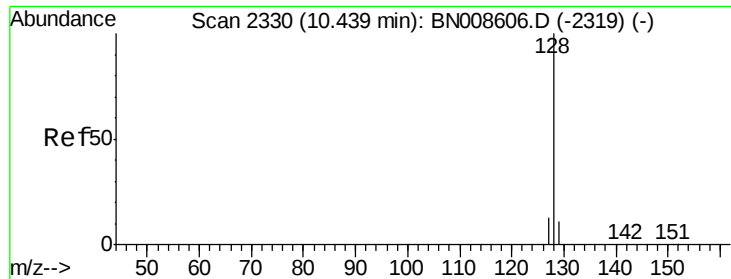
Instrument :
BNA_N
ClientSampleId :
JLMA1

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 PM

Quant Time: Nov 19 03:06:01 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 : Tue Nov 19 01:47:58 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.159 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

ClientSampleId :

JLMA1

Tot Ion:128 Resp: 679223

Ion Ratio Lower Upper

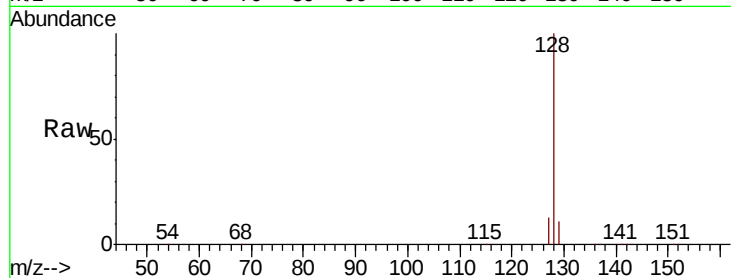
128 100

129 10.9 9.7 14.5

127 13.2 10.8 16.2

Manual Integrations
APPROVED

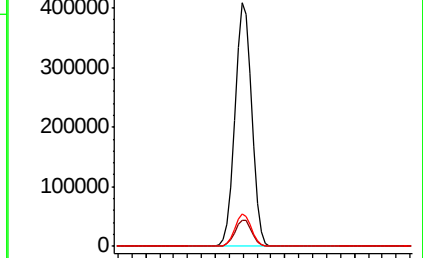
mohammad
11/19/2019 2:45:29 PM



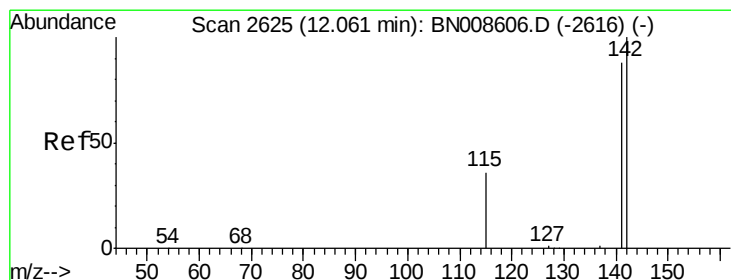
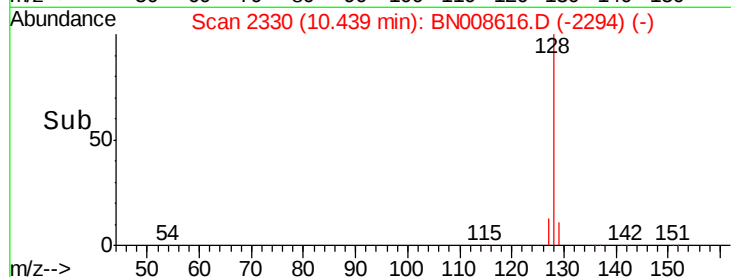
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 16.295 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN008616.D

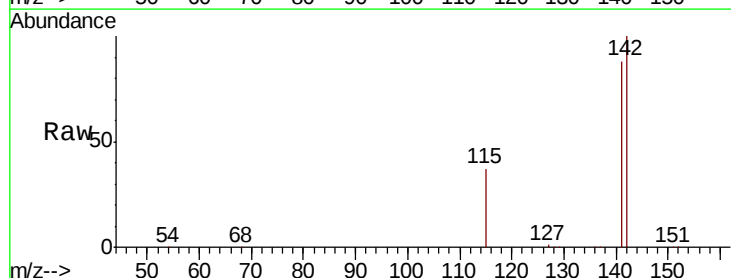
Acq: 18 Nov 2019 22:31

Tgt Ion:142 Resp: 403394

Ion Ratio Lower Upper

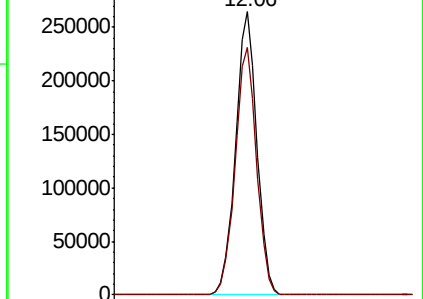
142 100

141 88.0 70.5 105.7

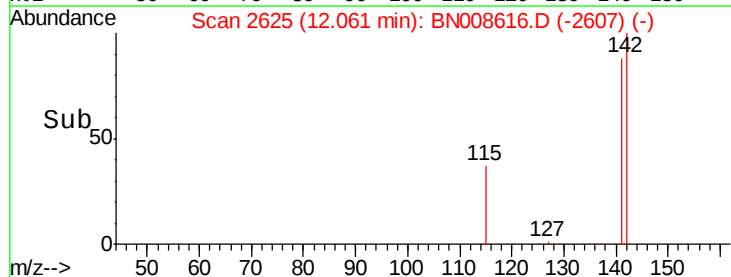


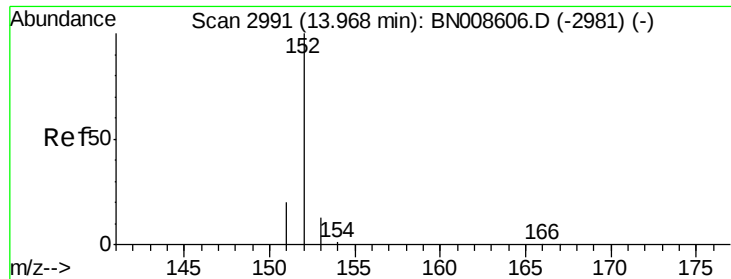
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.157 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

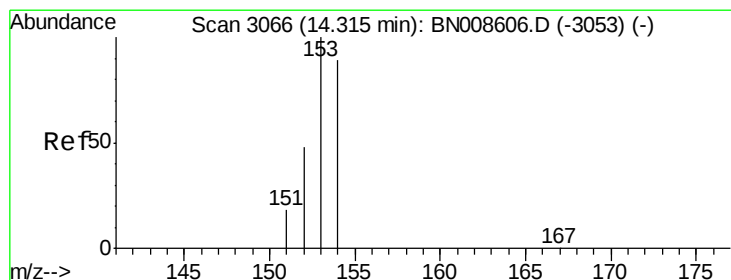
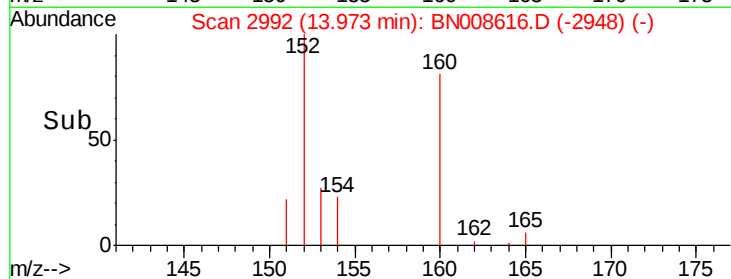
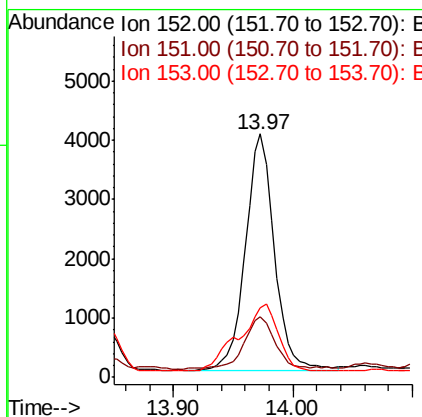
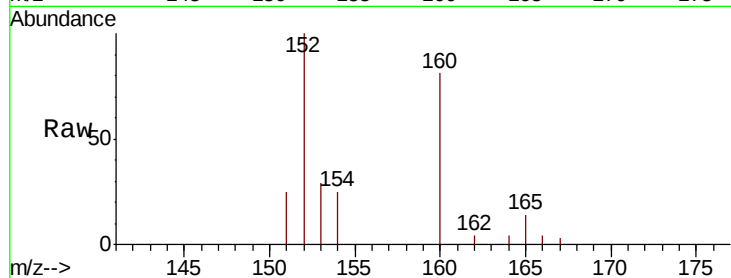
ClientSampled :

JLMA1

Tot Ion:	152	Resp:	6740
Ion Ratio	Lower	Upper	
152	100		
151	24.9	16.6	24.8#
153	28.7	11.1	16.7#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 PM



#8

Acenaphthene

Concen: 10.932 ng/ul

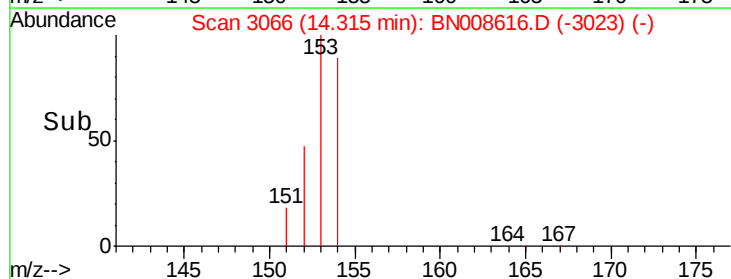
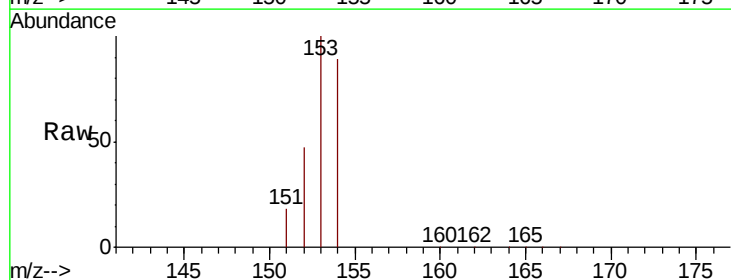
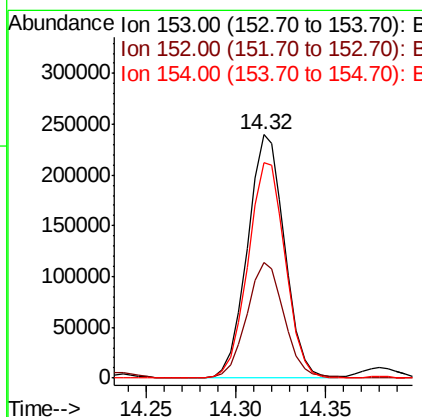
RT: 14.32 min Scan# 3066

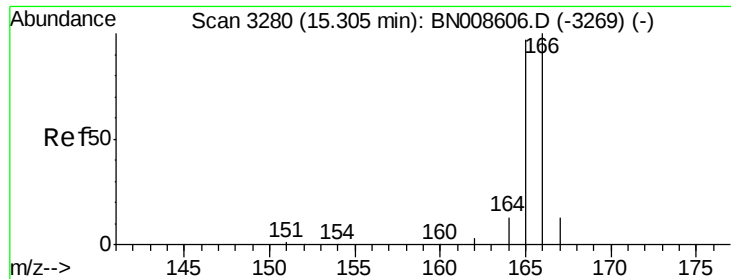
Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Tgt Ion:	153	Resp:	347285
Ion Ratio	Lower	Upper	
153	100		
152	47.3	39.6	59.4
154	88.7	70.6	106.0





#9

Fluorene

Concen: 6.172 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

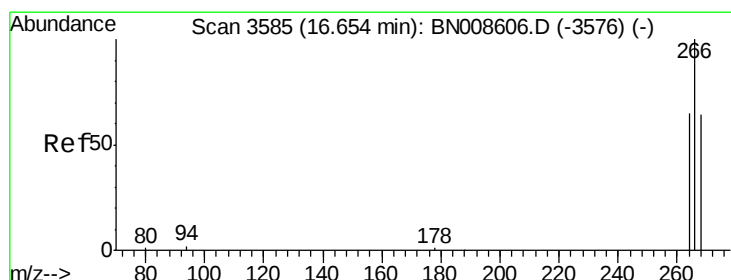
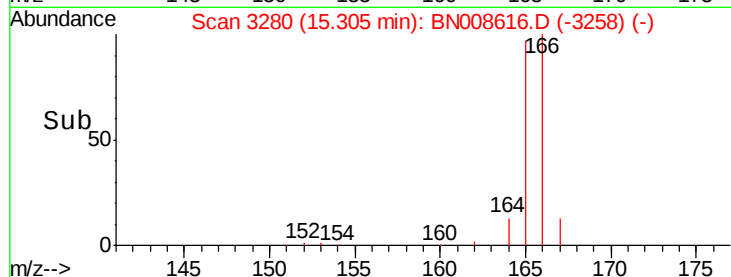
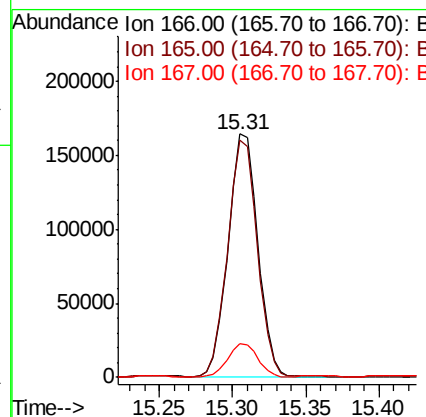
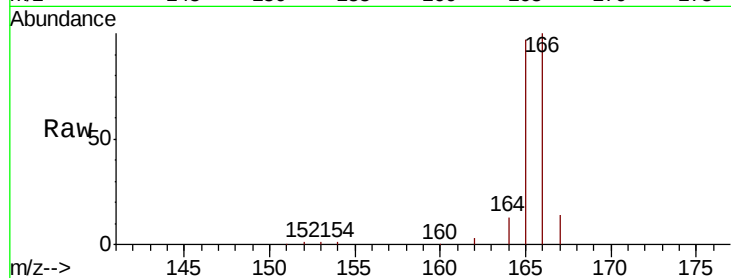
ClientSampleId :

JLMA1

Tot Ion:	166	Resp:	230242
Ion Ratio	Lower	Upper	
166	100		
165	97.4	77.4	116.0
167	13.8	11.4	17.0

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 PM



#11

Pentachlorophenol

Concen: 0.040 ng/ul

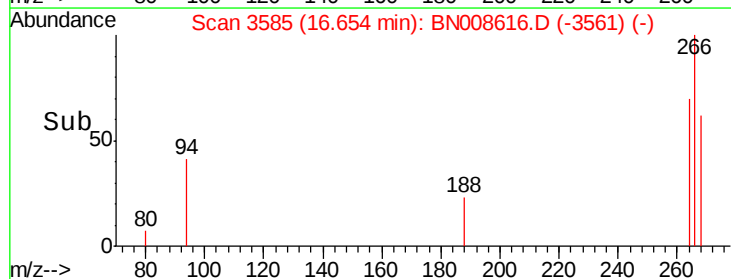
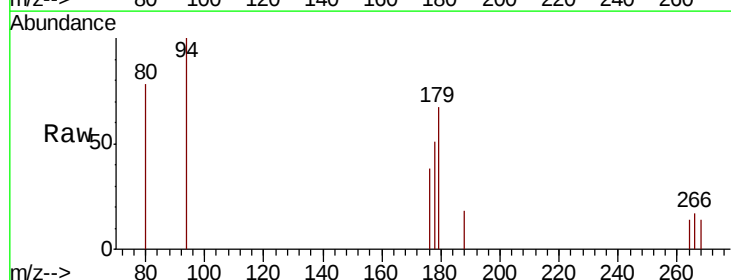
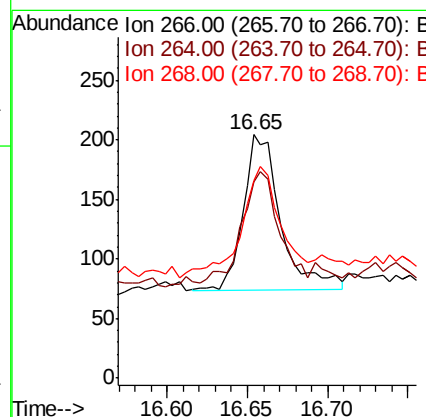
RT: 16.65 min Scan# 3585

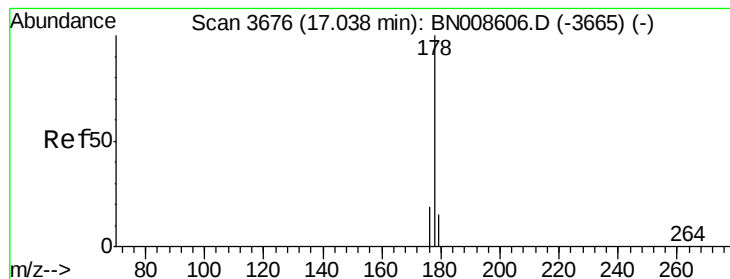
Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Tgt Ion:	266	Resp:	210
Ion Ratio	Lower	Upper	
266	100		
264	71.0	49.2	73.8
268	92.4	50.9	76.3#





#12

Phenanthrene

Concen: 16.888 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

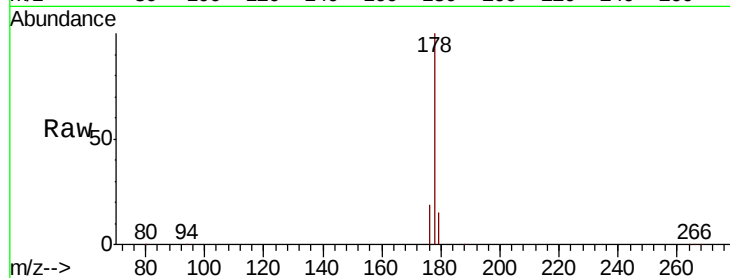
ClientSampleId :

JLMA1

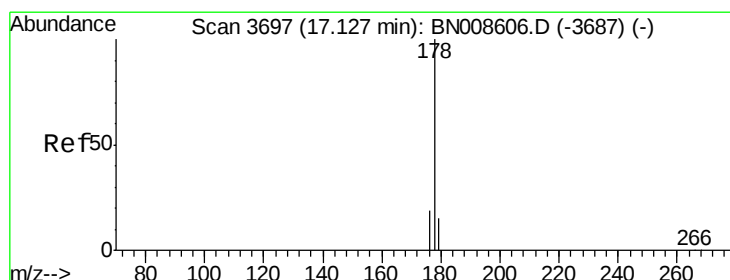
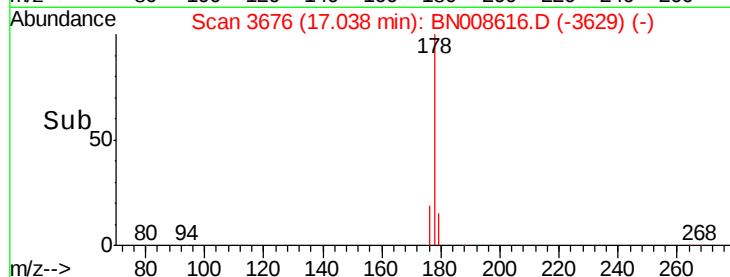
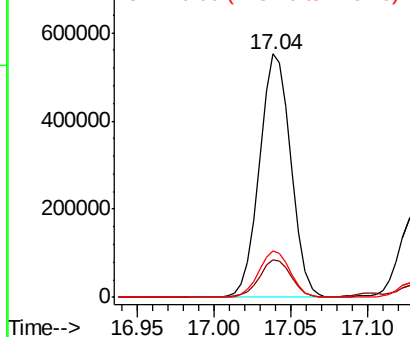
Tot Ion:	178	Resp:	787574
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.8	19.2
176	19.1	16.0	24.0

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 5.826 ng/ul

RT: 17.13 min Scan# 3698

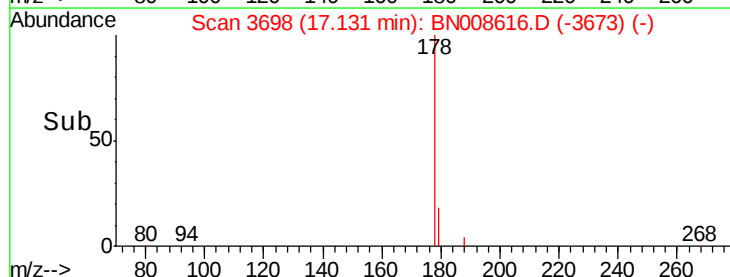
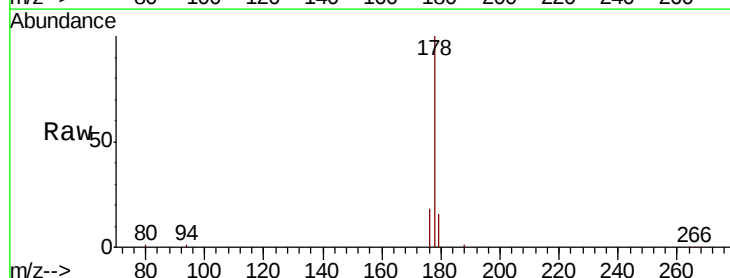
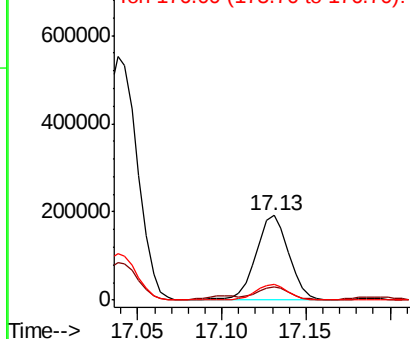
Delta R.T. 0.00 min

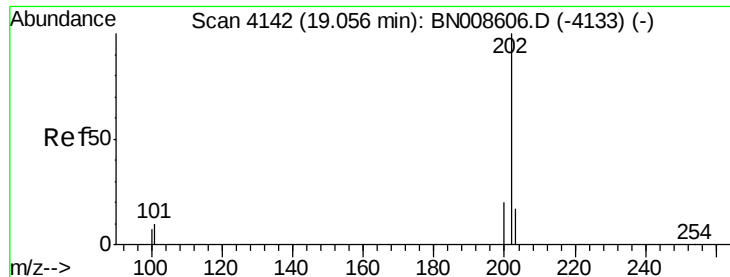
Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Tgt Ion:	178	Resp:	256723
Ion Ratio	Lower	Upper	
178	100		
179	15.8	13.0	19.4
176	18.5	15.3	22.9

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 9.891 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

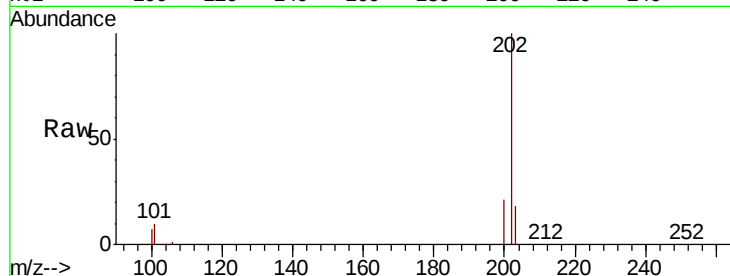
ClientSampleId :

JLMA1

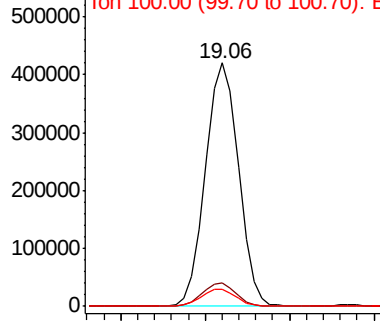
Tot Ion:	202	Resp:	566677
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	29.6
100	7.1	0.0	27.0

Manual Integrations
APPROVED

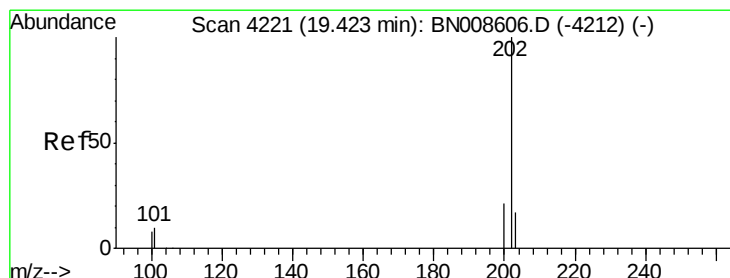
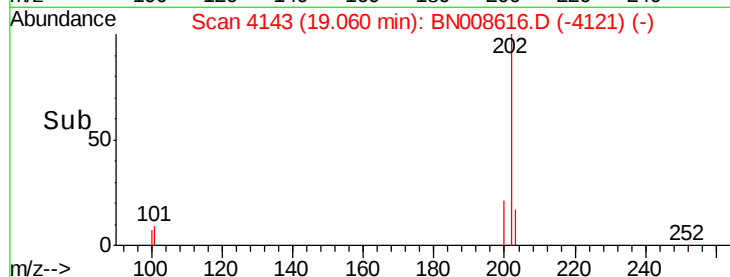
mohammad
11/19/2019 2:45:29 PM



Abundance Ion 202.00 (201.70 to 202.70): E



Time-->



#17

Pyrene

Concen: 9.597 ng/ul

RT: 19.42 min Scan# 4221

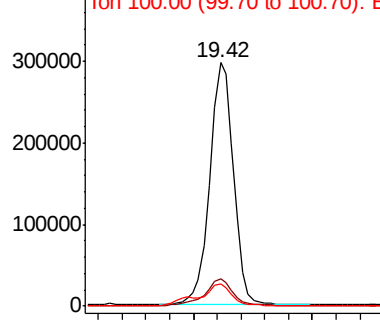
Delta R.T. -0.00 min

Lab File: BN008616.D

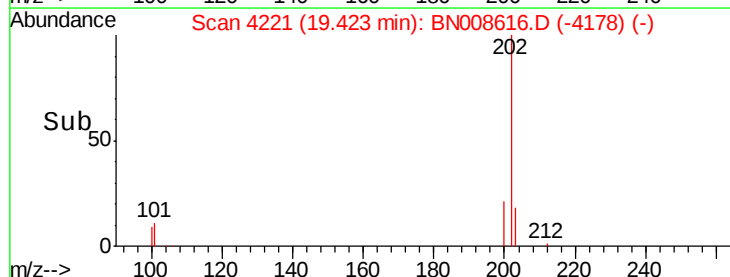
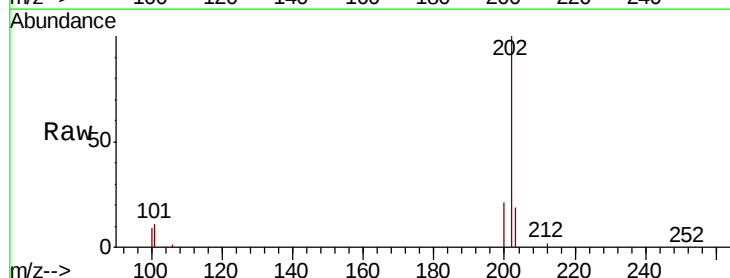
Acq: 18 Nov 2019 22:31

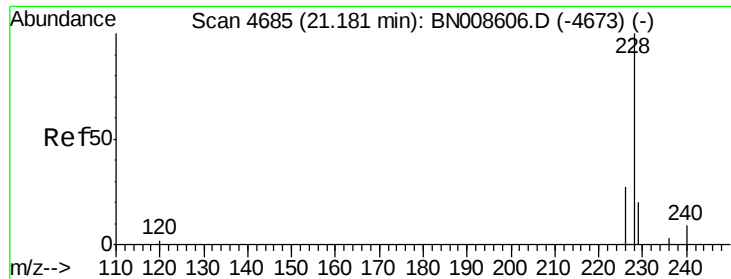
Tgt Ion:	202	Resp:	411168
Ion Ratio	Lower	Upper	
202	100		
101	11.4	10.2	15.2
100	9.2	8.2	12.2

Abundance Ion 202.00 (201.70 to 202.70): E



Time-->





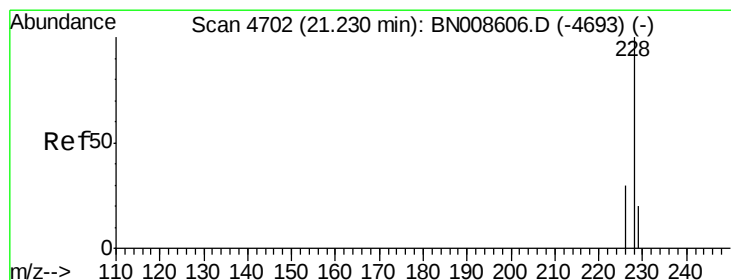
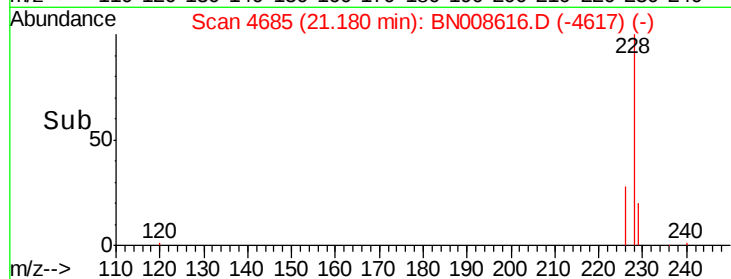
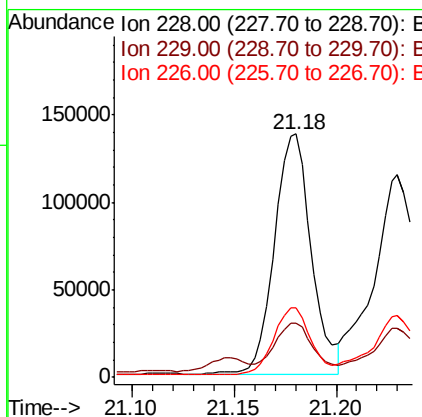
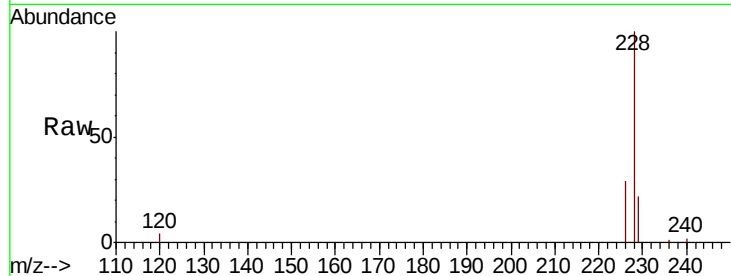
#18
Benzo(a)anthracene
Concen: 4.057 ng/ul
RT: 21.18 min Scan# 4685
Delta R.T. -0.00 min
Lab File: BN008616.D
Acq: 18 Nov 2019 22:31

Instrument :
BNA_N
ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.6
226	28.5	21.6	32.4

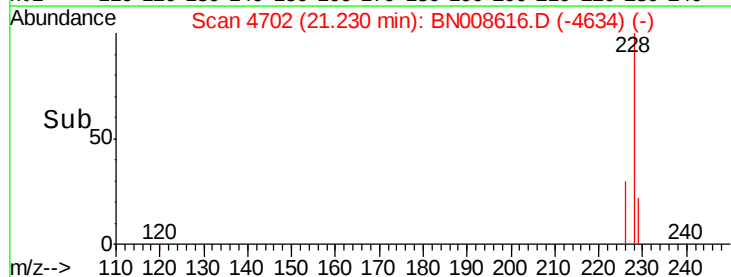
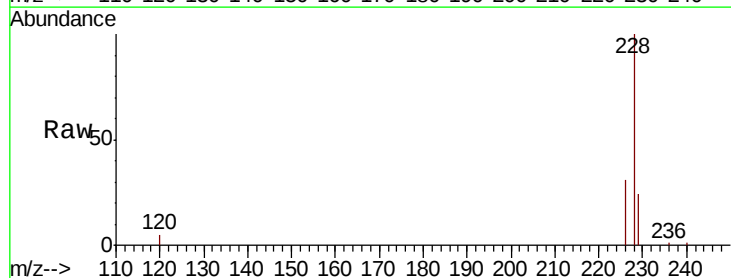
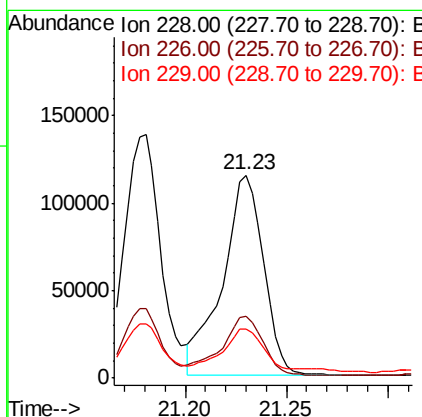
Manual Integrations
APPROVED

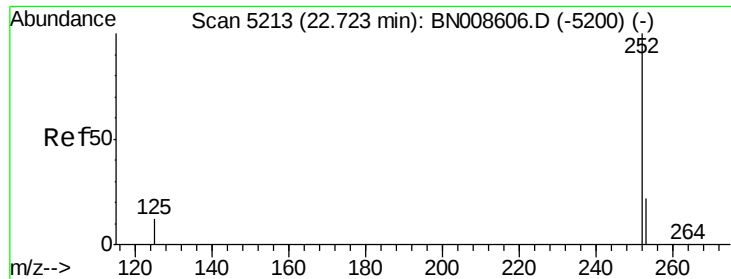
mohammad
11/19/2019 2:45:29 PM



#19
Chrysene
Concen: 3.853 ng/ul m
RT: 21.23 min Scan# 4702
Delta R.T. -0.00 min
Lab File: BN008616.D
Acq: 18 Nov 2019 22:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	24.4	15.5	23.3#





#21

Benzo(b)fluoranthene

Concen: 3.623 ng/ul m

RT: 22.73 min Scan# 5215

Delta R.T. 0.01 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

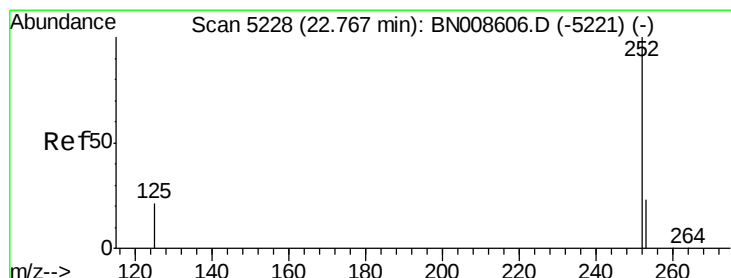
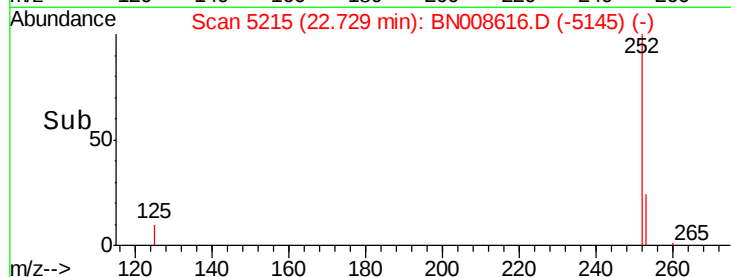
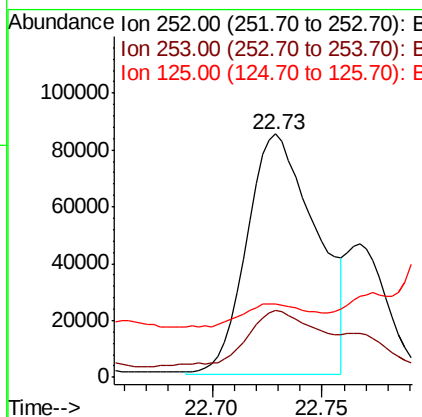
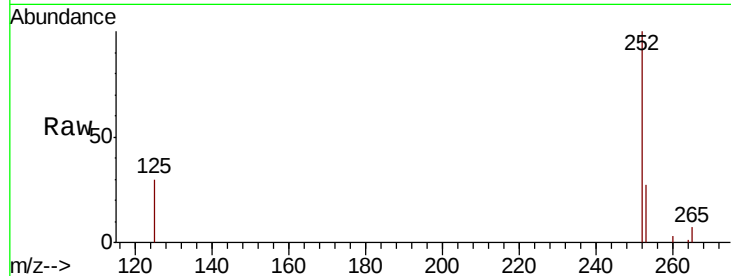
ClientSampleId :

JLMA1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	27.5	0.0	50.2
125	30.3	0.0	30.0#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 PM



#22

Benzo(k)fluoranthene

Concen: 1.148 ng/ul m

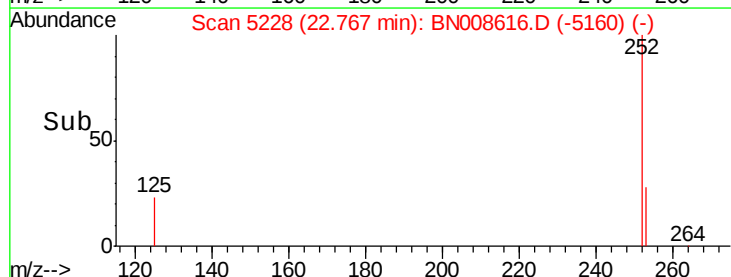
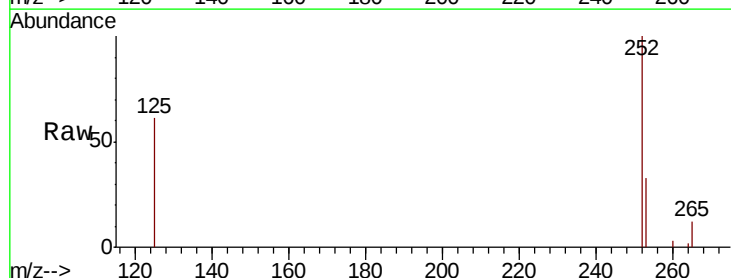
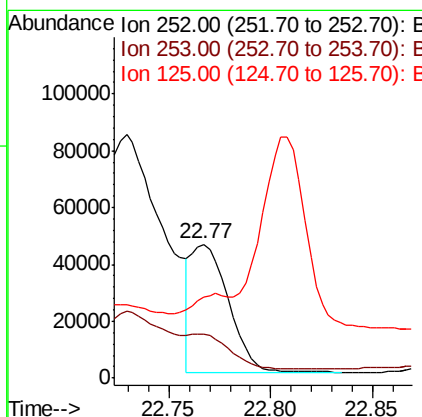
RT: 22.77 min Scan# 5228

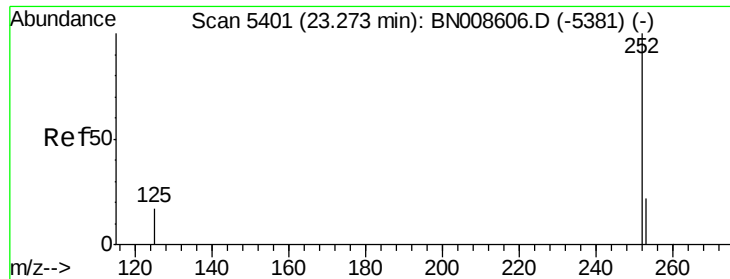
Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	33.0	20.5	30.7#
125	60.6	15.0	22.4#





#23

Benzo(a)pyrene

Concen: 2.767 ng/ul

RT: 23.28 min Scan# 5403

Delta R.T. 0.01 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

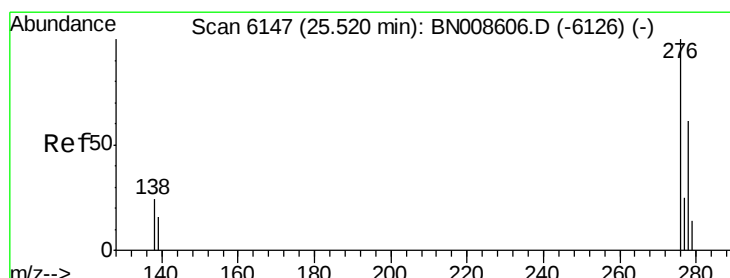
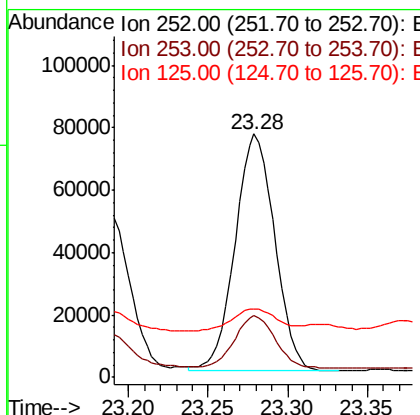
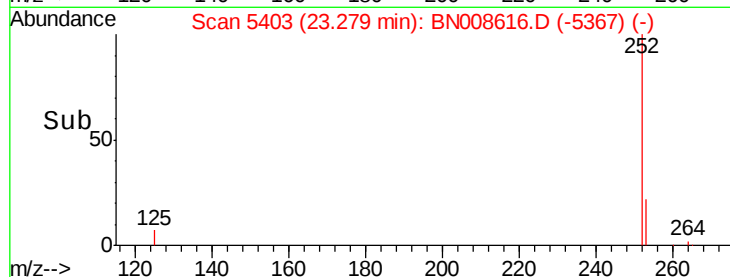
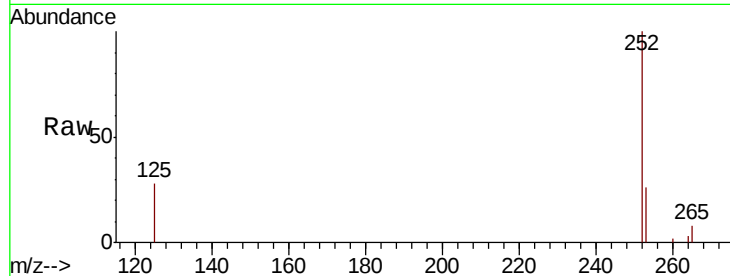
ClientSampleId :

JLMA1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	21.4	32.2
125	28.3	13.8	20.8#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.404 ng/ul

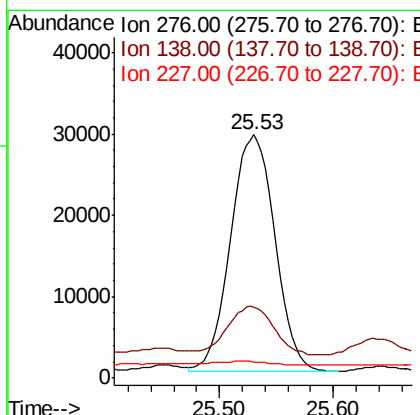
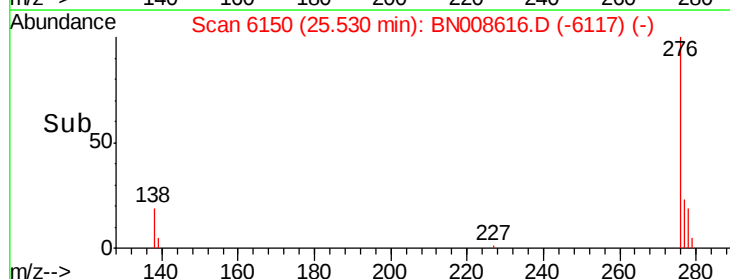
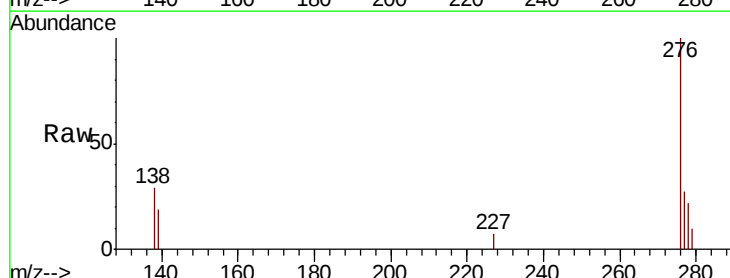
RT: 25.53 min Scan# 6150

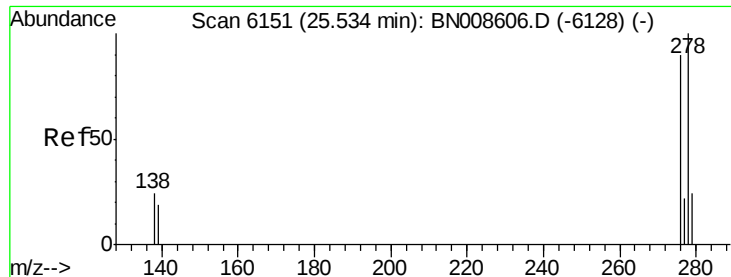
Delta R.T. 0.01 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	21.7	32.5#
227	2.1	0.2	0.2#





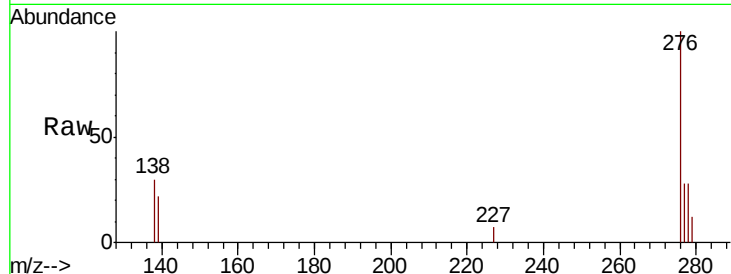
#25
Dibenzo(a,h)anthracene
Concen: 0.443 ng/u1
RT: 25.54 min Scan# 6153
Delta R.T. 0.01 min
Lab File: BN008616.D
Acq: 18 Nov 2019 22:31

Instrument :
BNA_N
ClientSampleId :
JLMA1

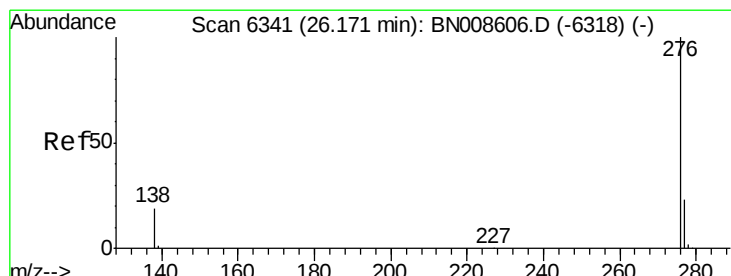
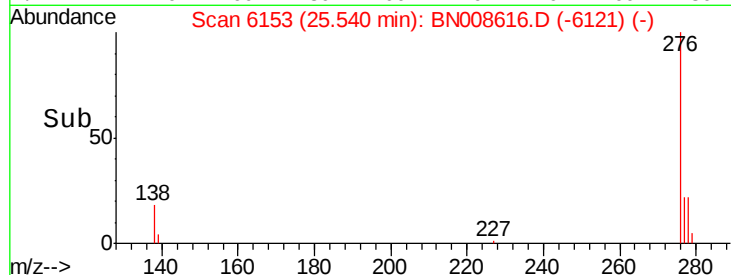
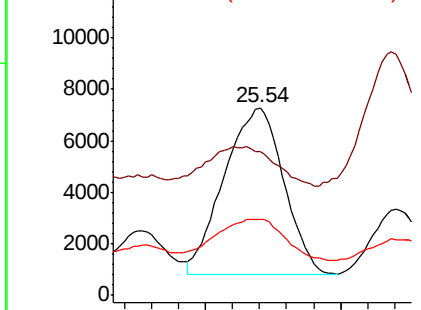
Tot Ion:278 Resp: 19876
Ion Ratio Lower Upper
278 100
139 76.8 18.7 28.1#
279 40.8 20.8 31.2#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:45:29 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: 1.584 ng/u1
RT: 26.18 min Scan# 6345
Delta R.T. 0.01 min
Lab File: BN008616.D
Acq: 18 Nov 2019 22:31

Tgt Ion:276 Resp: 73617
Ion Ratio Lower Upper
276 100
138 30.5 20.0 30.0#
277 26.9 20.0 30.0

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

