

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
 Data File : BN008605.D
 Acq On : 18 Nov 2019 15:55
 Operator : JU
 Sample : K5678-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 JLM77

Manual Integrations
 APPROVED

mohammad
 11/19/2019 2:44:38 PM

Quant Time: Nov 18 16:53:28 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 Nov 15 22:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3113	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11175	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6651	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	12667	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	9838	0.40	ng/ul	0.01
20) Perylene-d12	23.39	264	10340	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3984	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8484	0.22	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	3135	0.093	ng/ul#	93
5) 2-Methylnaphthalene	12.06	142	2888	0.123	ng/ul	99
7) Acenaphthylene	13.97	152	1393	0.038	ng/ul#	61
8) Acenaphthene	14.32	153	771	0.028	ng/ul#	79
9) Fluorene	15.31	166	910	0.028	ng/ul#	43
11) Pentachlorophenol	16.65	266	1453	0.303	ng/ul	97
12) Phenanthrene	17.04	178	11214	0.263	ng/ul#	59
13) Anthracene	17.13	178	1814	0.045	ng/ul#	1
15) Fluoranthene	19.06	202	15622	0.298	ng/ul	85
17) Pyrene	19.42	202	21164	0.536	ng/ul#	90
18) Benzo(a)anthracene	21.18	228	11988	0.303	ng/ul#	51
19) Chrysene	21.24	228	29398	0.757	ng/ul#	75
21) Benzo(b)fluoranthene	22.74	252	18486m	0.434	ng/ul	
22) Benzo(k)fluoranthene	22.78	252	5034m	0.119	ng/ul	
23) Benzo(a)pyrene	23.29	252	22840	0.571	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.55	276	10592	0.226	ng/ul#	45
25) Dibenzo(a,h)anthracene	25.56	278	5810	0.154	ng/ul#	1
26) Benzo(g,h,i)perylene	26.21	276	35942	0.918	ng/ul#	28

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

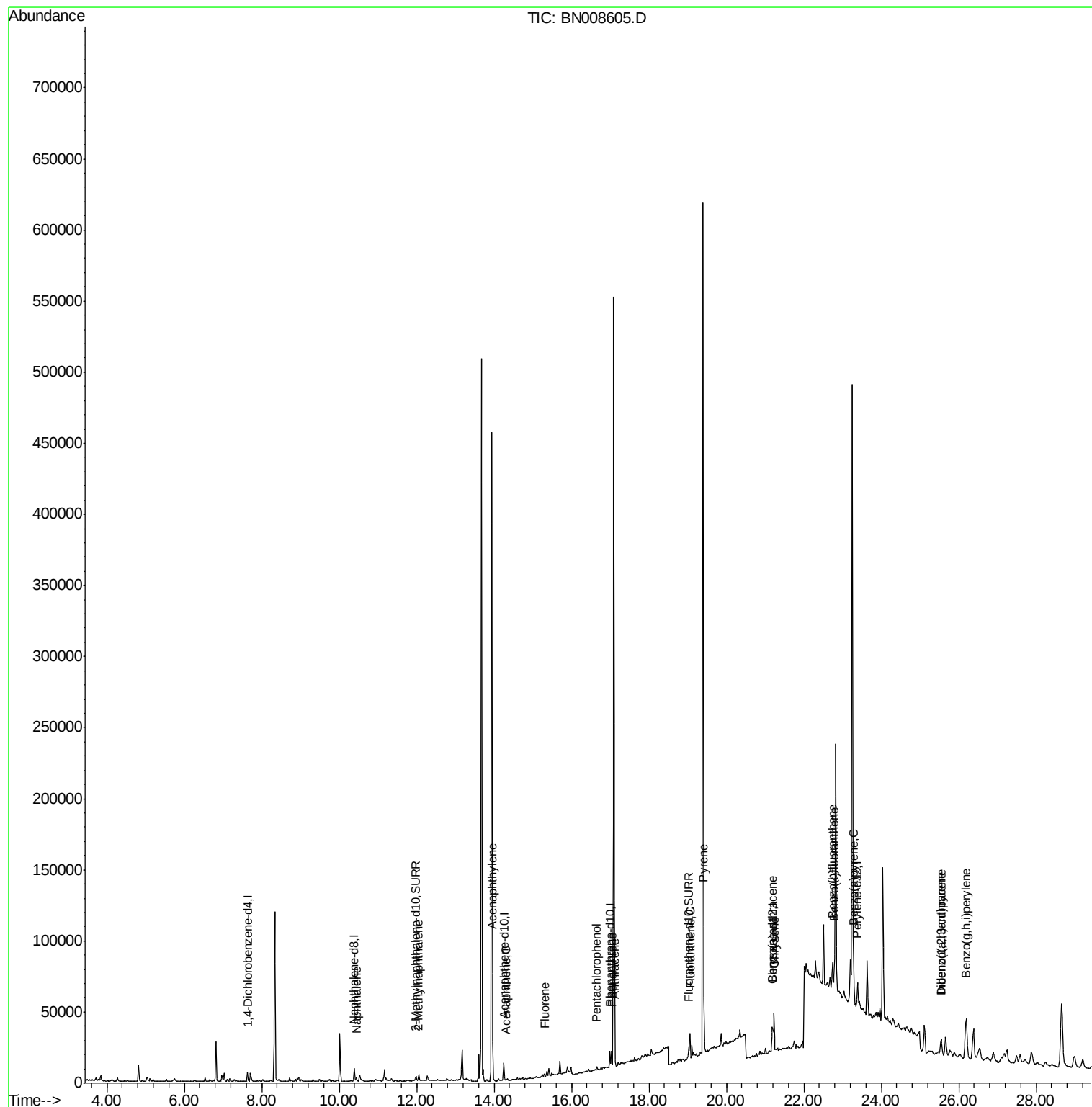
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111819\
Data File : BN008605.D
Acq On : 18 Nov 2019 15:55
Operator : JU
Sample : K5678-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

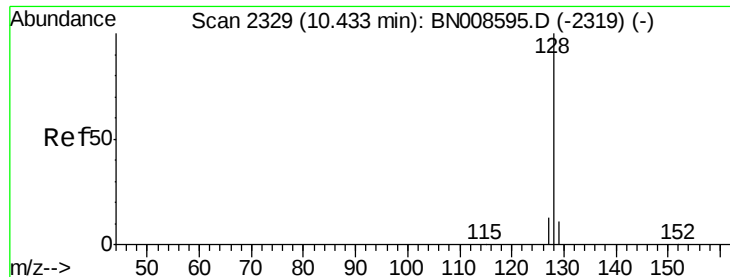
Instrument :
BNA_N
ClientSampleId :
JLM77

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:38 PM

Quant Time: Nov 18 16:53:28 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 Nov 15 22:41:33 2019
Response via : Initial Calibration





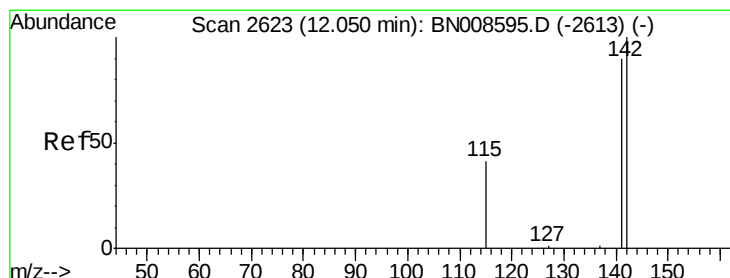
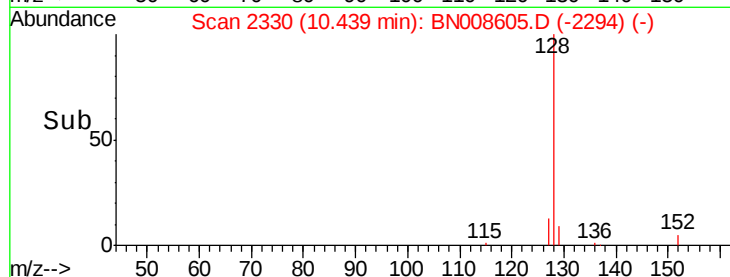
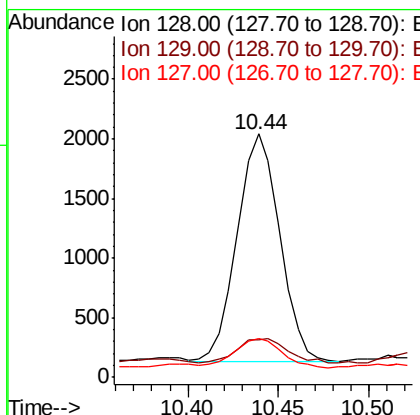
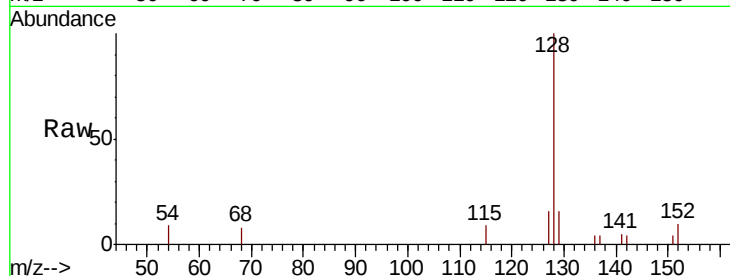
#3
Naphthalene
Concen: 0.093 ng/ul
RT: 10.44 min Scan# 2330
Delta R.T. 0.00 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Instrument :
BNA_N
ClientSampleId :
JLM77

Tot Ion	Ratio	Lower	Upper
128	100		
129	15.5	9.7	14.5#
127	15.9	10.8	16.2

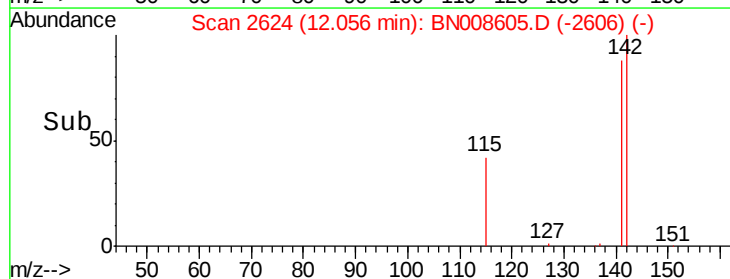
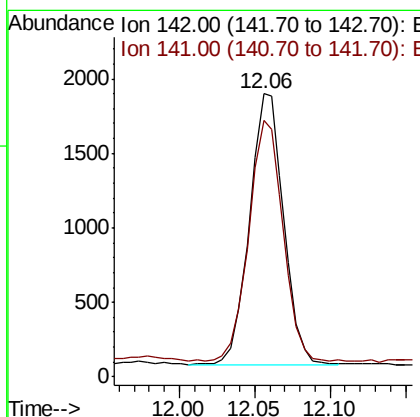
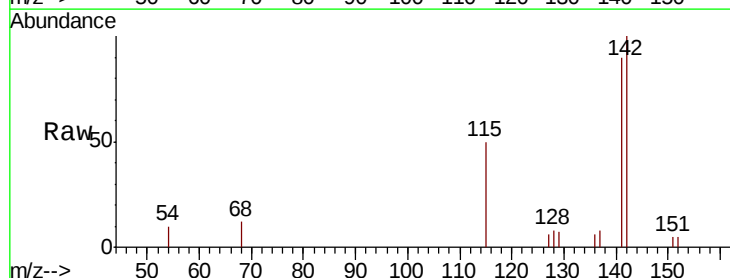
Manual Integrations
APPROVED

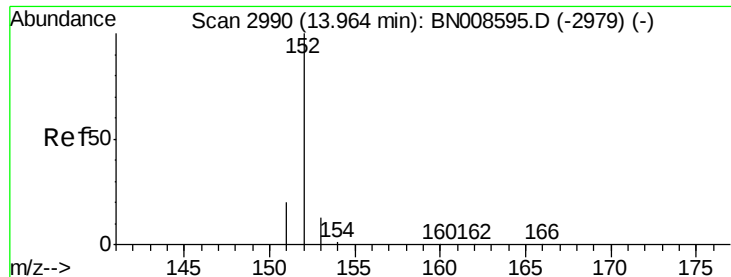
mohammad
11/19/2019 2:44:38 PM



#5
2-Methylnaphthalene
Concen: 0.123 ng/ul
RT: 12.06 min Scan# 2624
Delta R.T. -0.00 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.5	105.7





#7

Acenaphthylene

Concen: 0.038 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Instrument :

BNA_N

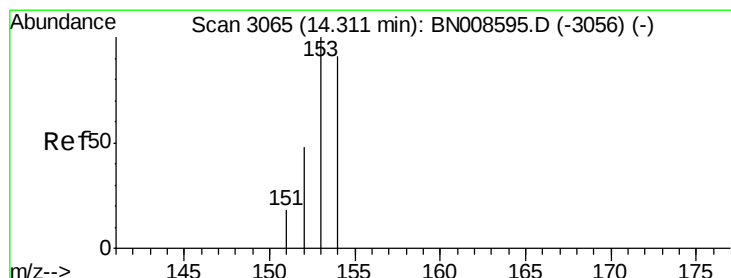
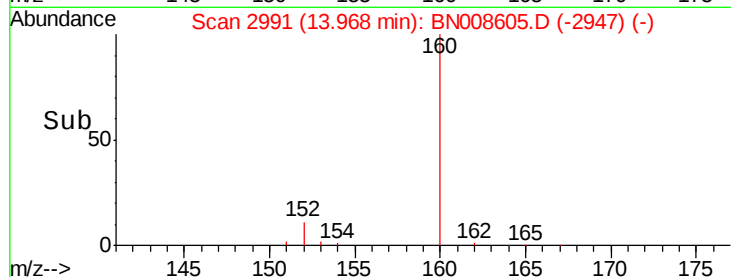
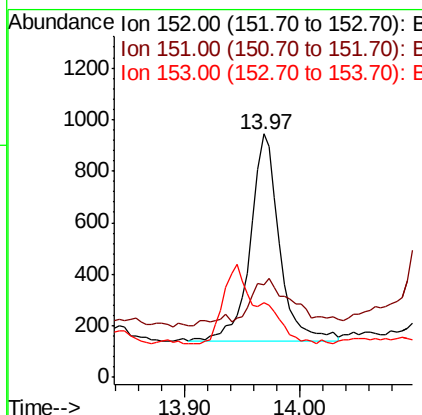
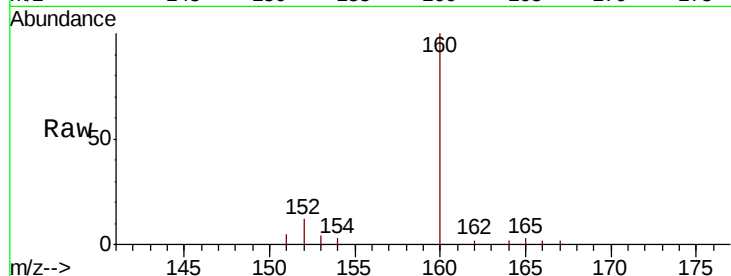
ClientSampleId :

JLM77

Tot Ion:	152	Resp:	1393
Ion Ratio	Lower	Upper	
152	100		
151	38.0	16.6	24.8#
153	30.7	11.1	16.7#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:38 PM



#8

Acenaphthene

Concen: 0.028 ng/ul

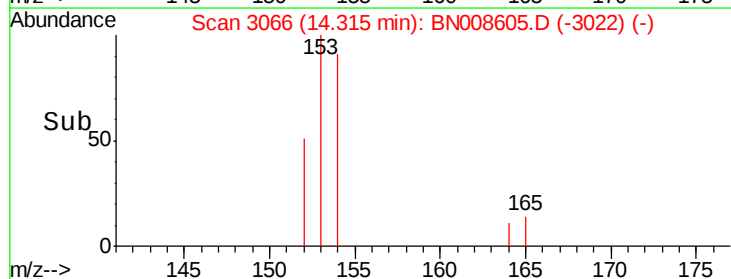
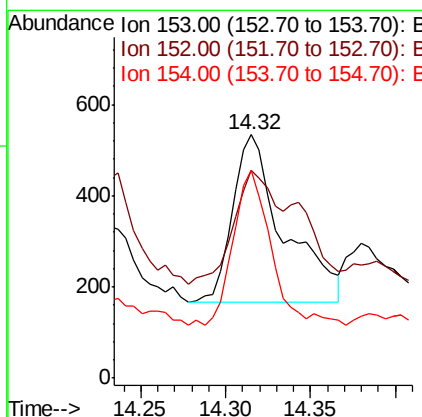
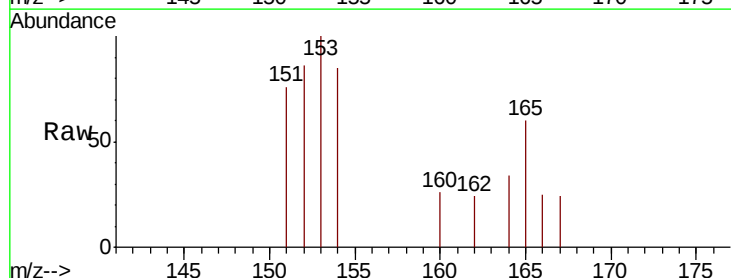
RT: 14.32 min Scan# 3066

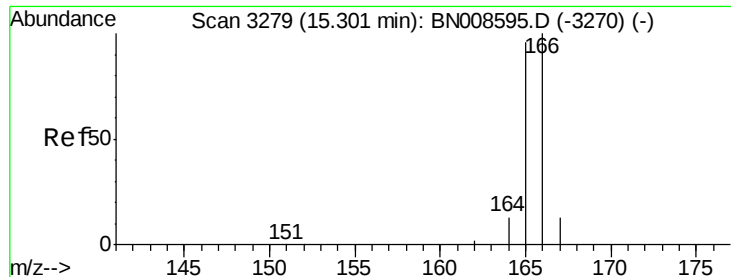
Delta R.T. 0.00 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Tgt Ion:	153	Resp:	771
Ion Ratio	Lower	Upper	
153	100		
152	85.6	39.6	59.4#
154	85.2	70.6	106.0





#9

Fluorene

Concen: 0.028 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. 0.00 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Instrument :

BNA_N

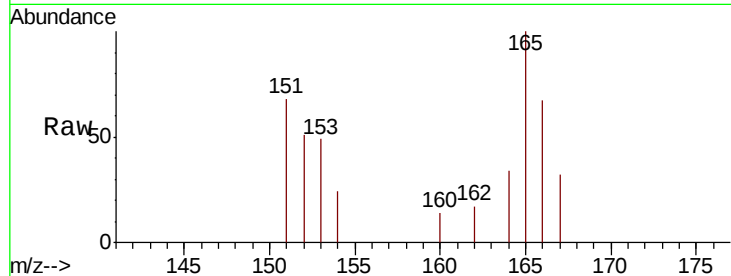
ClientSampleId :

JLM77

Tot Ion	Ratio	Lower	Upper
166	100		
165	148.7	77.4	116.0#
167	47.2	11.4	17.0#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:38 PM

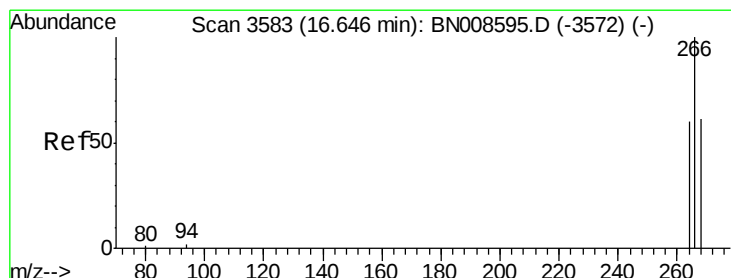
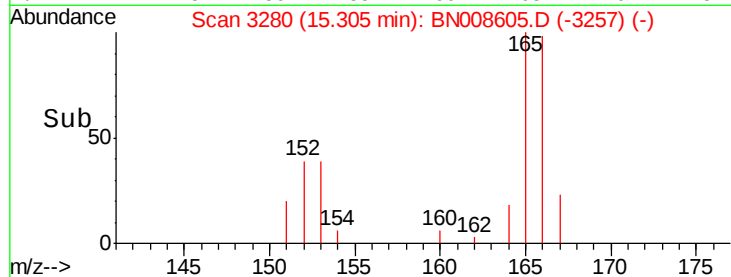
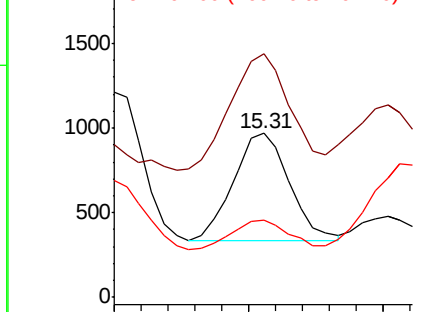


Abundance

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



#11

Pentachlorophenol

Concen: 0.303 ng/ul

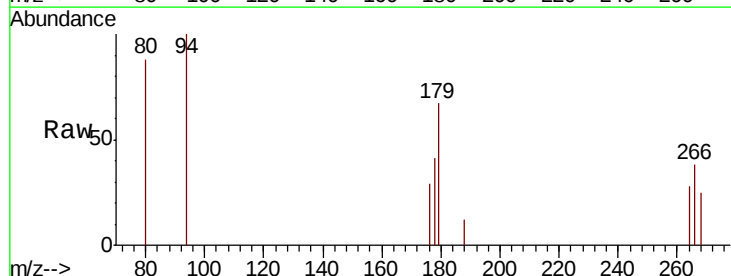
RT: 16.65 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.7	49.2	73.8
268	59.6	50.9	76.3

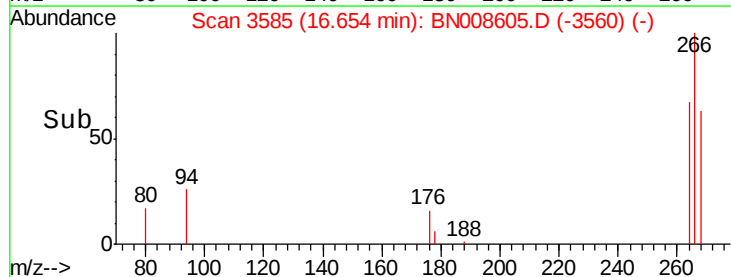
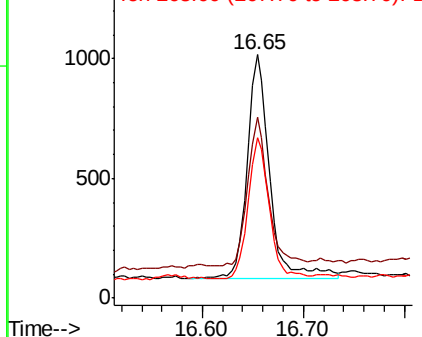


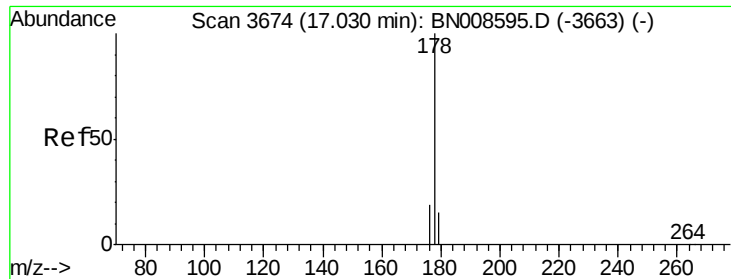
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





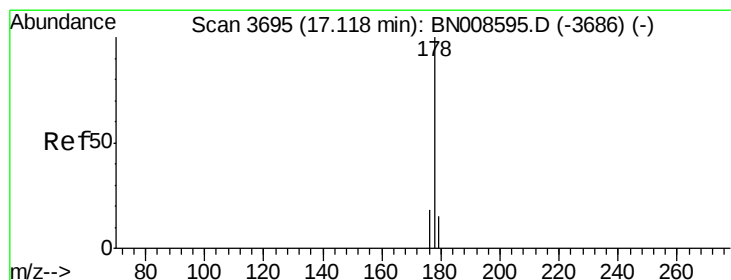
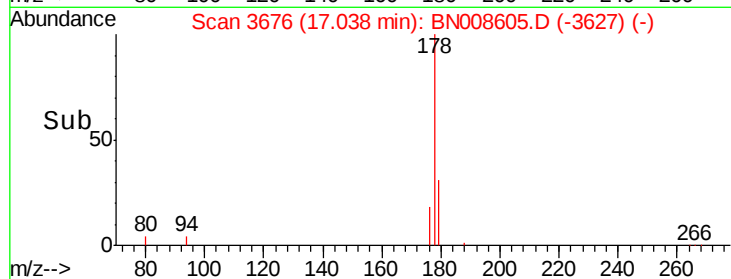
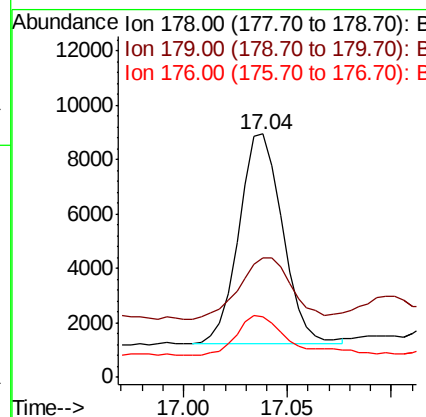
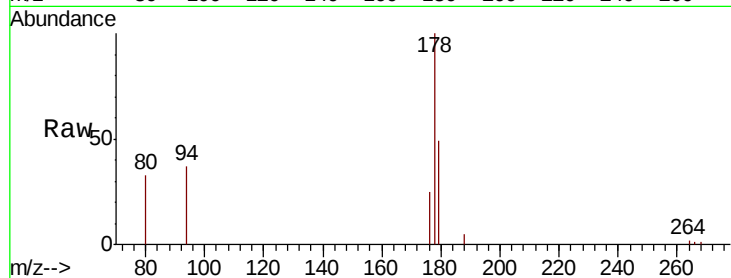
#12
Phenanthrene
Concen: 0.263 ng/ul
RT: 17.04 min Scan# 3676
Delta R.T. 0.01 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Instrument :
BNA_N
ClientSampleId :
JLM77

Tot Ion	Ratio	Lower	Upper
178	100		
179	49.2	12.8	19.2#
176	24.9	16.0	24.0#

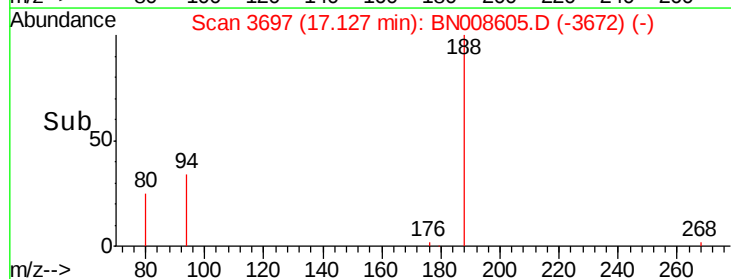
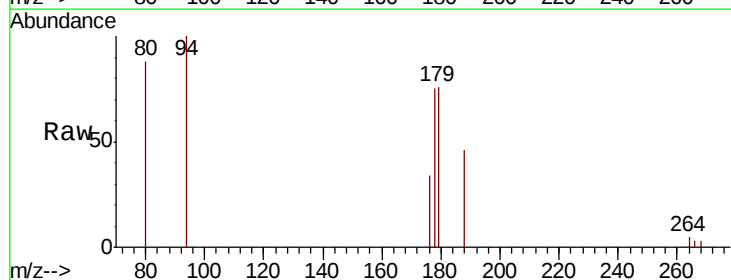
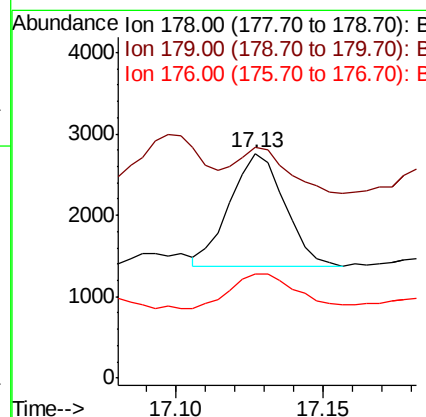
Manual Integrations
APPROVED

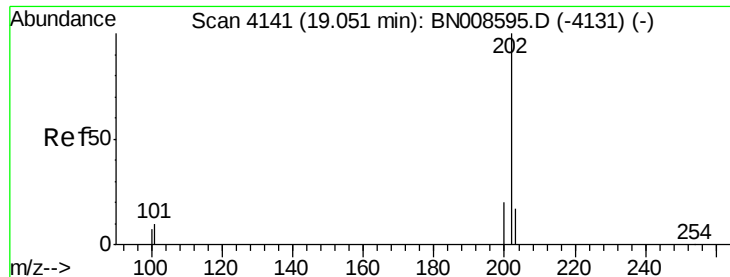
mohammad
11/19/2019 2:44:38 PM



#13
Anthracene
Concen: 0.045 ng/ul
RT: 17.13 min Scan# 3697
Delta R.T. 0.00 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	102.5	13.0	19.4#
176	46.1	15.3	22.9#





#15

Fluoranthene

Concen: 0.298 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Instrument :

BNA_N

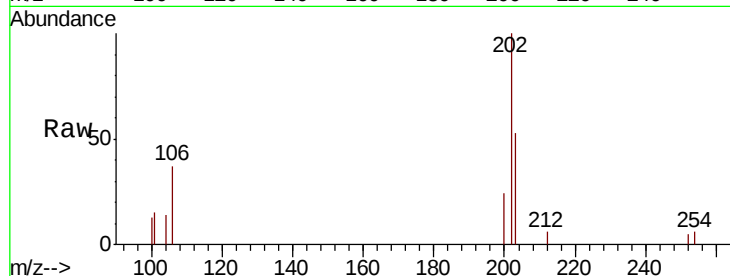
ClientSampleId :

JLM77

Tot Ion:	202	Resp:	15622
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	29.6
100	12.8	0.0	27.0

Manual Integrations
APPROVED

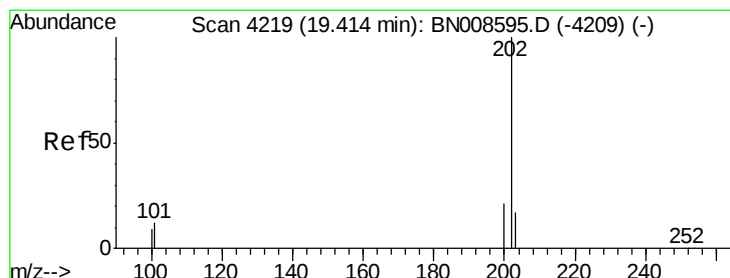
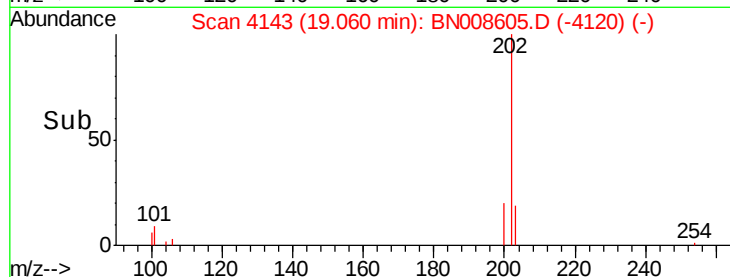
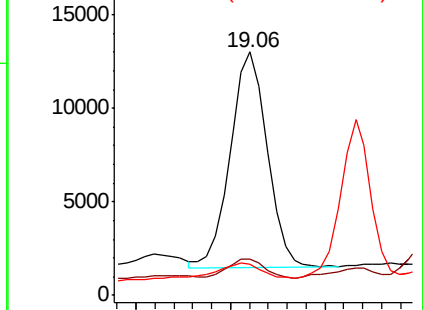
mohammad
11/19/2019 2:44:38 PM



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: 0.536 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. 0.01 min

Lab File: BN008605.D

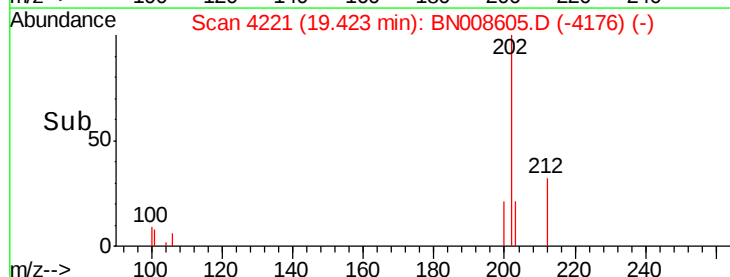
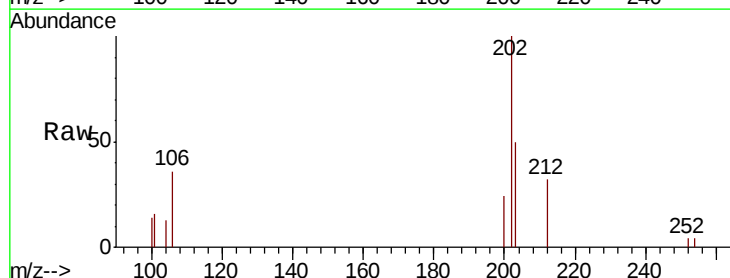
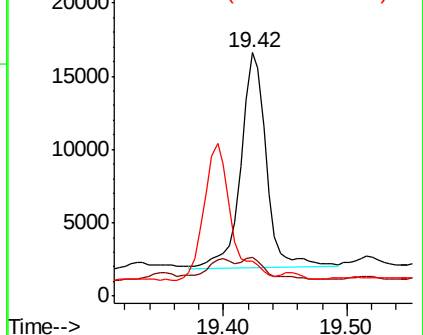
Acq: 18 Nov 2019 15:55

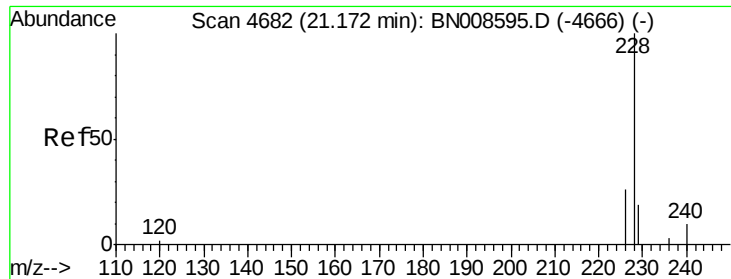
Tgt Ion:	202	Resp:	21164
Ion Ratio	Lower	Upper	
202	100		
101	16.1	10.2	15.2#
100	14.2	8.2	12.2#

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





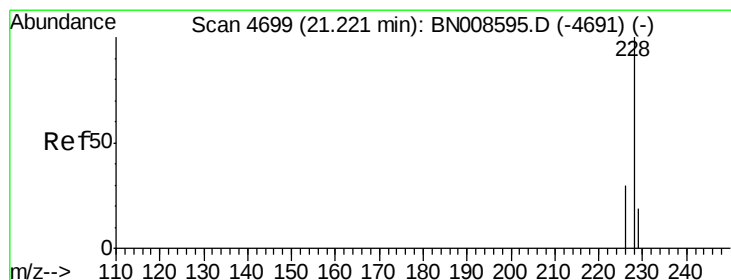
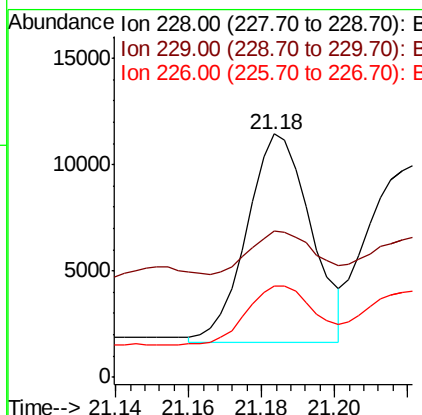
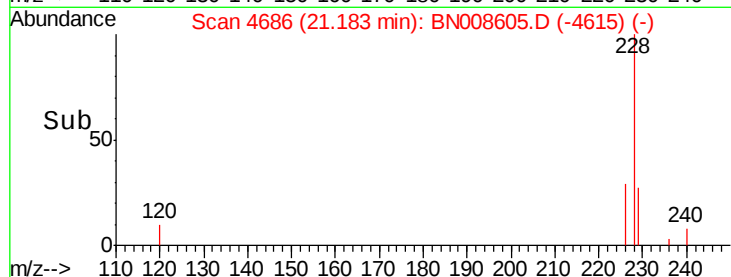
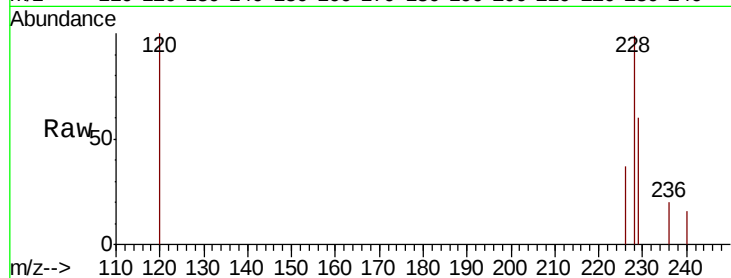
#18
Benzo(a)anthracene
Concen: 0.303 ng/ul
RT: 21.18 min Scan# 4686
Delta R.T. 0.01 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Instrument :
BNA_N
ClientSampleId :
JLM77

Tot Ion	Ratio	Lower	Upper
228	100		
229	60.3	15.8	23.6#
226	37.7	21.6	32.4#

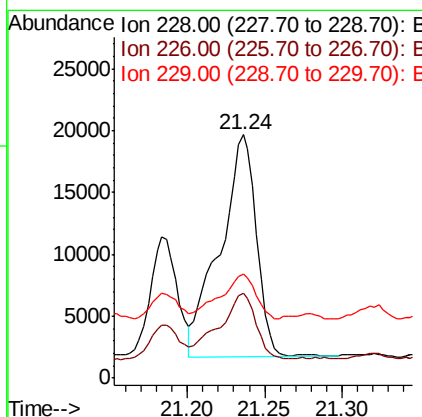
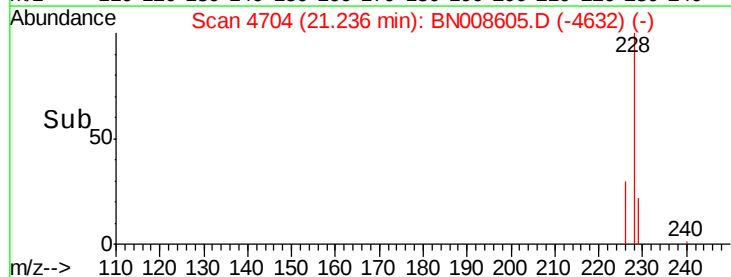
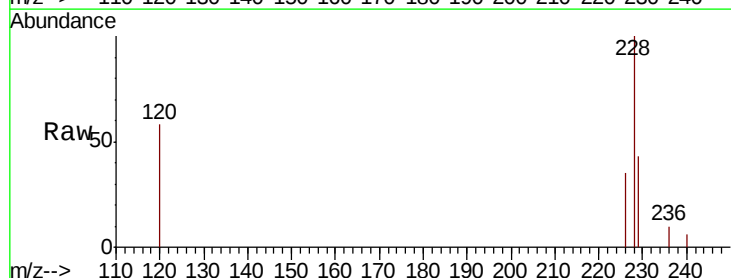
Manual Integrations
APPROVED

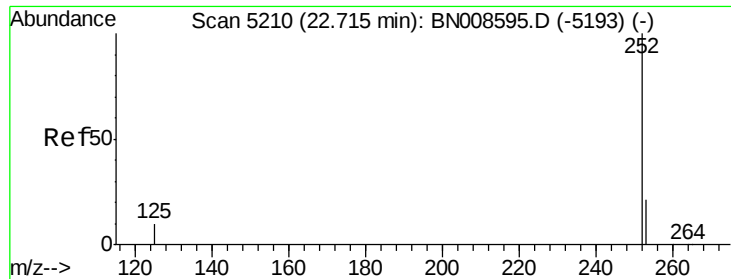
mohammad
11/19/2019 2:44:38 PM



#19
Chrysene
Concen: 0.757 ng/ul
RT: 21.24 min Scan# 4704
Delta R.T. 0.01 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	24.5	36.7
229	42.8	15.5	23.3#





#21

Benzo(b)fluoranthene

Concen: 0.434 ng/ul m

RT: 22.74 min Scan# 5218

Delta R.T. 0.02 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Instrument :

BNA_N

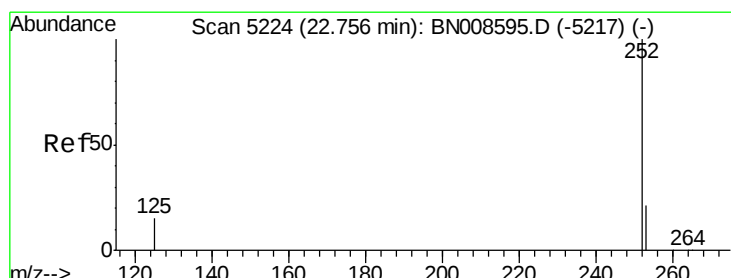
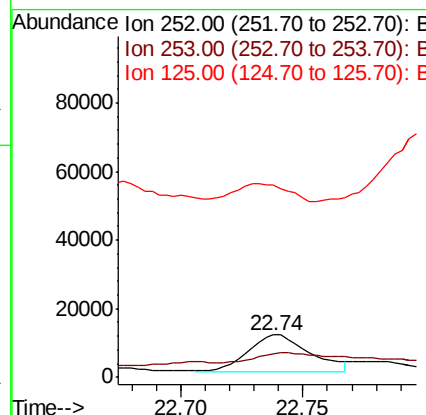
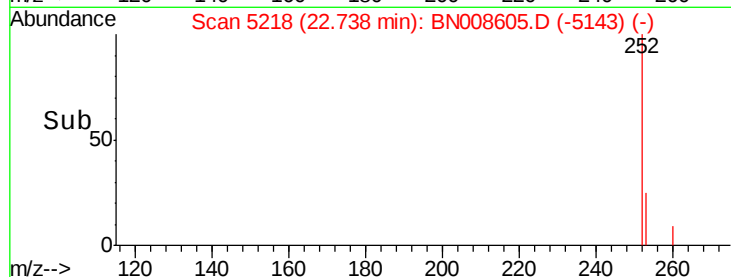
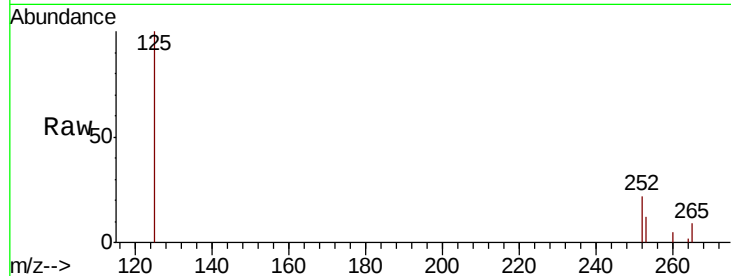
ClientSampleId :

JLM77

Tot Ion	Ratio	Resp	Lower	Upper
252	100	18486		
253	55.4	0.0	50.2#	
125	456.0	0.0	30.0#	

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:38 PM



#22

Benzo(k)fluoranthene

Concen: 0.119 ng/ul m

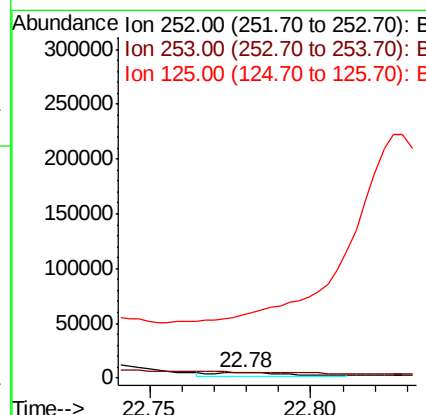
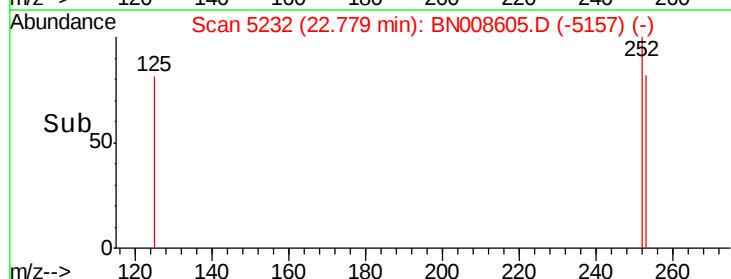
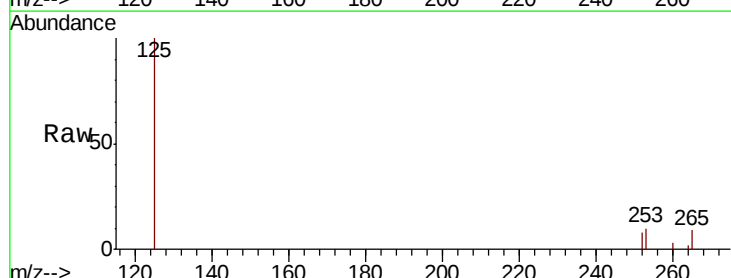
RT: 22.78 min Scan# 5232

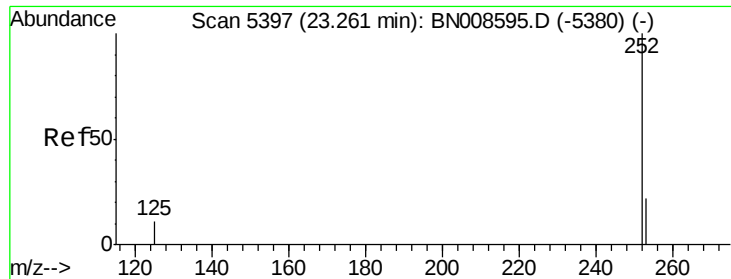
Delta R.T. 0.02 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	5034		
253	116.6	20.5	30.7#	
125	1205.4	15.0	22.4#	





#23

Benzo(a)pyrene

Concen: 0.571 ng/ul

RT: 23.29 min Scan# 5407

Delta R.T. 0.02 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

Instrument :

BNA_N

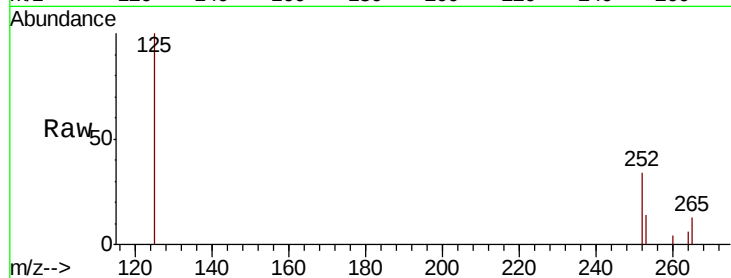
ClientSampleId :

JLM77

Tot Ion	Ratio	Lower	Upper
252	100		
253	39.4	21.4	32.2#
125	291.0	13.8	20.8#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:38 PM

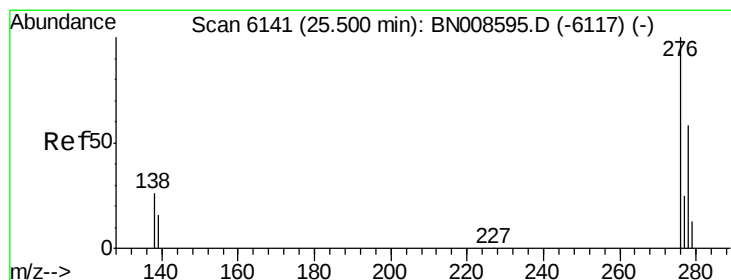
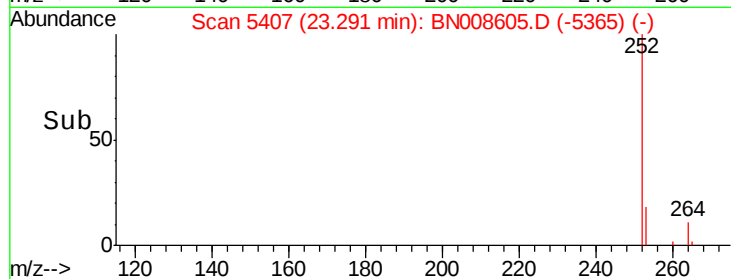
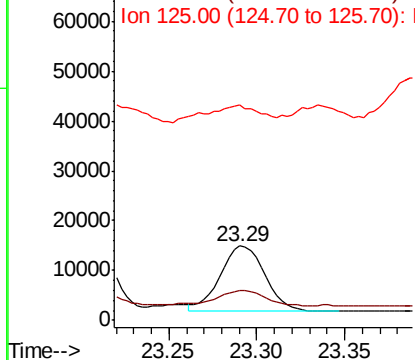


Abundance

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: 0.226 ng/ul

RT: 25.55 min Scan# 6155

Delta R.T. 0.04 min

Lab File: BN008605.D

Acq: 18 Nov 2019 15:55

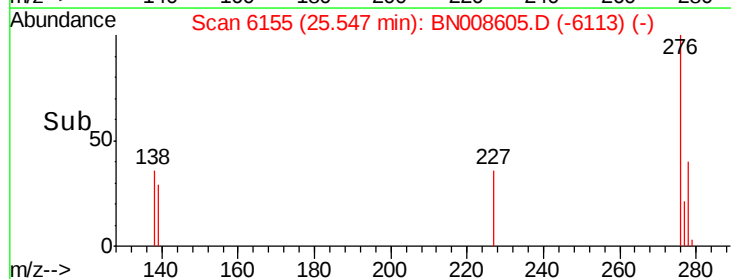
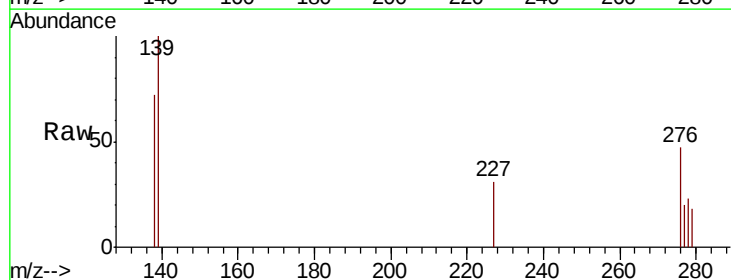
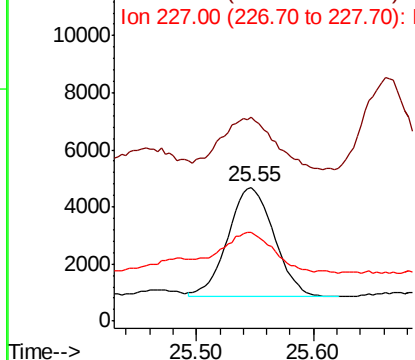
Tgt Ion	Ratio	Lower	Upper
276	100		
138	55.7	21.7	32.5#
227	37.6	0.2	0.2#

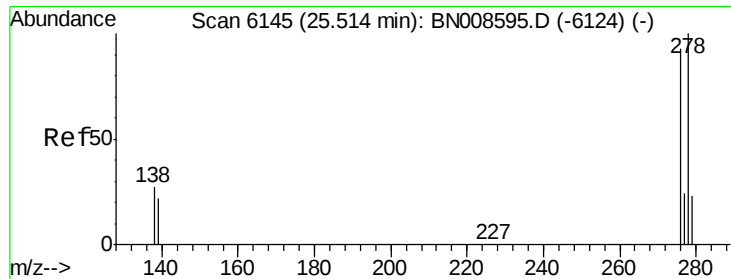
Abundance

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





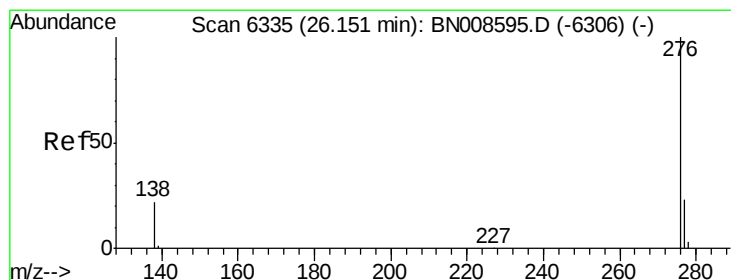
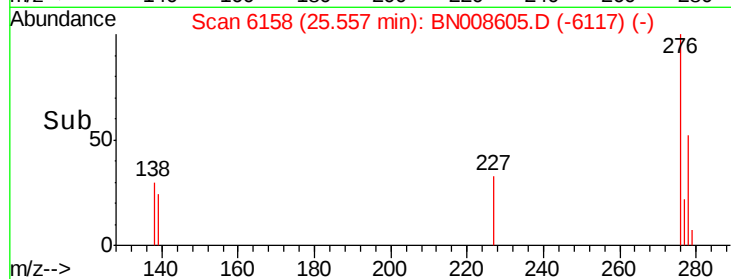
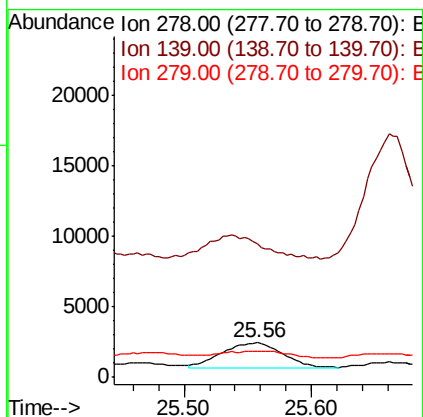
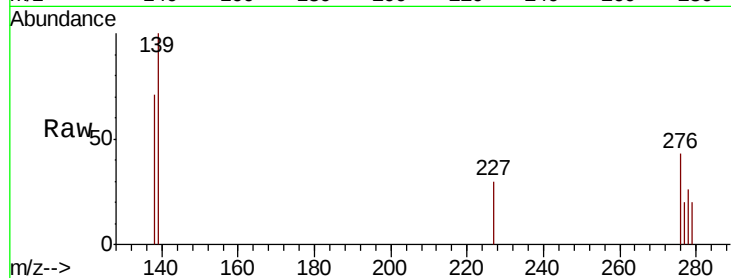
#25
Dibenzo(a,h)anthracene
Concen: 0.154 ng/u1
RT: 25.56 min Scan# 6158
Delta R.T. 0.04 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Instrument :
BNA_N
ClientSampleId :
JLM77

Tot Ion	Ratio	Lower	Upper
278	100		
139	384.9	18.7	28.1#
279	75.9	20.8	31.2#

Manual Integrations
APPROVED

mohammad
11/19/2019 2:44:38 PM



#26
Benzo(g,h,i)perylene
Concen: 0.918 ng/u1
RT: 26.21 min Scan# 6352
Delta R.T. 0.05 min
Lab File: BN008605.D
Acq: 18 Nov 2019 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	91.8	20.0	30.0#
277	30.1	20.0	30.0#

