

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111720\
 Data File : BM027820.D
 Acq On : 17 Nov 2020 16:37
 Operator : JU/CG
 Sample : L4762-03DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8DL

Manual Integrations
 APPROVED

mohammad
 11/19/2020 10:33:14 AM

Quant Time: Nov 17 17:29:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 09:19:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1251	0.40	ng/ul	0.00
2) Naphthalene-d8	11.22	136	4975	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.99	164	2942	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.70	188	4473	0.40	ng/ul	0.01
16) Chrysene-d12	21.81	240	3347	0.40	ng/ul	0.00
20) Perylene-d12	24.25	264	2454	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.78	152	1116	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.69	212	1138	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.27	128	28766	1.810	ng/ul	98
5) 2-Methylnaphthalene	12.85	142	83657	7.565	ng/ul	99
7) Acenaphthylene	14.71	152	4111	0.284	ng/ul#	3
8) Acenaphthene	15.06	153	9181	0.828	ng/ul#	69
9) Fluorene	16.02	166	10398	0.779	ng/ul#	78
11) Pentachlorophenol	17.35	266	166	0.103	ng/ul	91
12) Phenanthrene	17.75	178	119261	8.190	ng/ul	98
13) Anthracene	17.84	178	10050	0.709	ng/ul#	76
15) Fluoranthene	19.72	202	23546	1.413	ng/ul	89
17) Pyrene	20.08	202	91412	6.159	ng/ul#	92
18) Benzo(a)anthracene	21.79	228	9696	0.725	ng/ul#	31
19) Chrysene	21.84	228	34181m	2.509	ng/ul	
21) Benzo(b)fluoranthene	23.51	252	10527m	0.937	ng/ul	
22) Benzo(k)fluoranthene	23.55	252	2093m	0.190	ng/ul	
23) Benzo(a)pyrene	24.14	252	4968	0.503	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.77	276	3267	0.290	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.77	278	1604	0.171	ng/ul#	1
26) Benzo(g,h,i)perylene	27.56	276	5913	0.621	ng/ul#	61

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

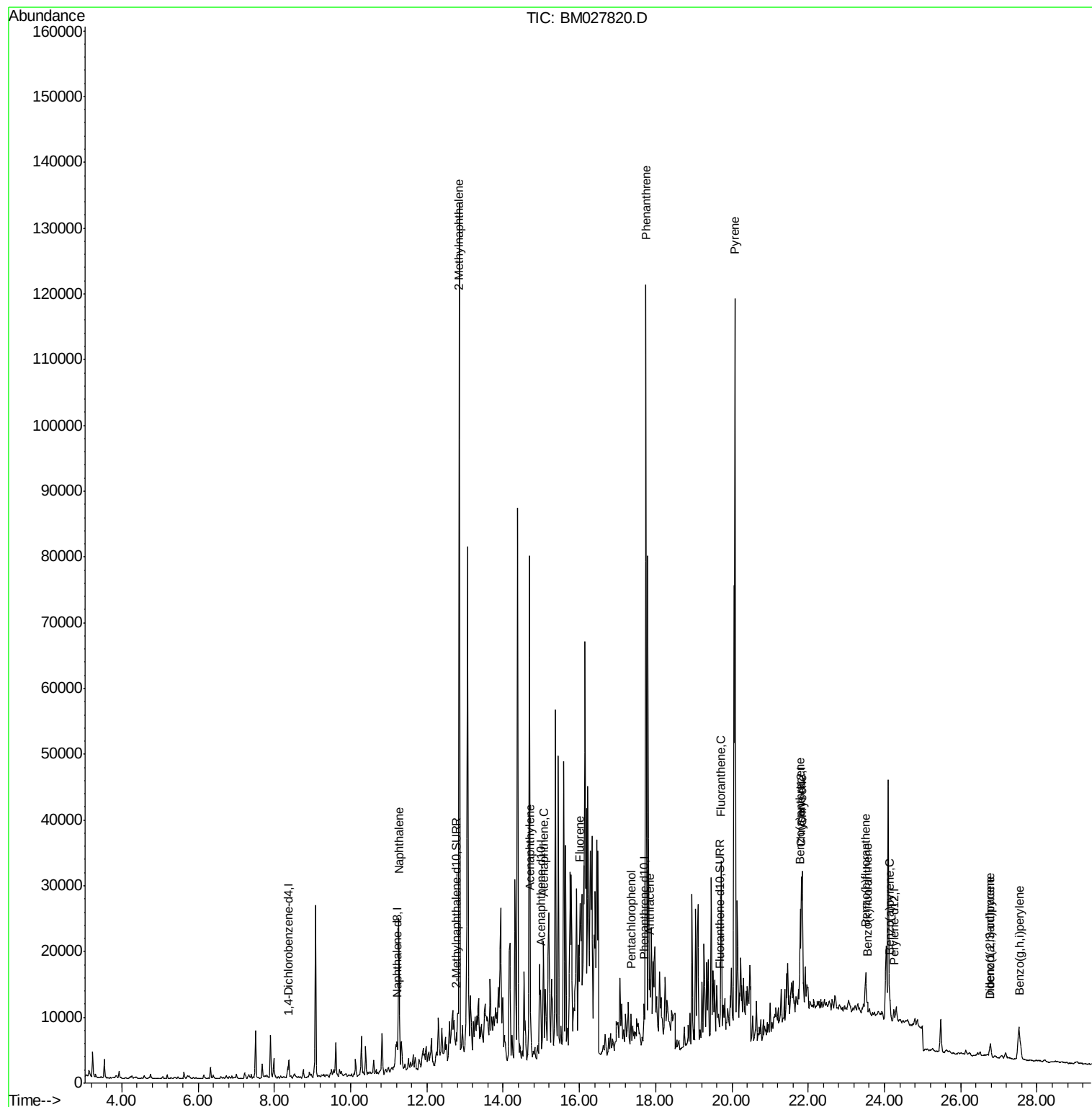
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111720\
Data File : BM027820.D
Acq On : 17 Nov 2020 16:37
Operator : JU/CG
Sample : L4762-03DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

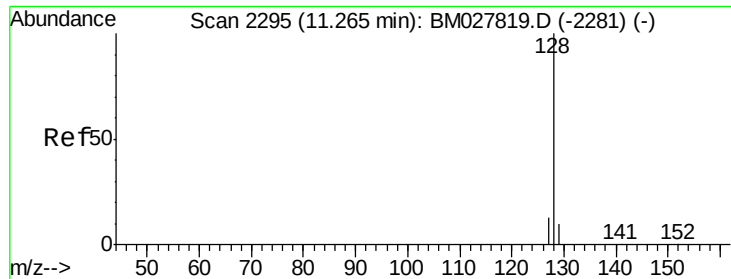
Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Manual Integrations
APPROVED

mohammad
11/19/2020 10:33:14 AM

Quant Time: Nov 17 17:29:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM111020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 17 09:19:02 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.810 ng/ul

RT: 11.27 min Scan# 2296

Delta R.T. 0.01 min

Lab File: BM027820.D

Acq: 17 Nov 2020 16:37

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

Tot Ion:128 Resp: 28766

Ion Ratio Lower Upper

128 100

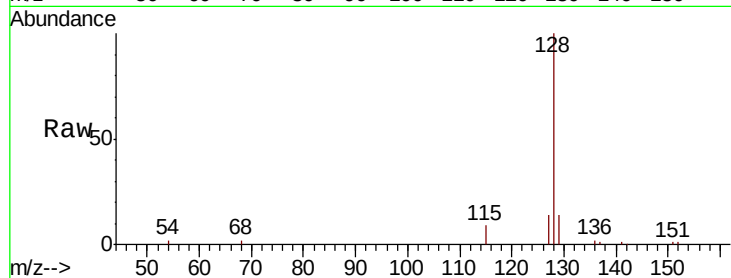
129 13.7 11.0 16.4

127 14.1 12.4 18.6

Manual Integrations
APPROVED

mohammad

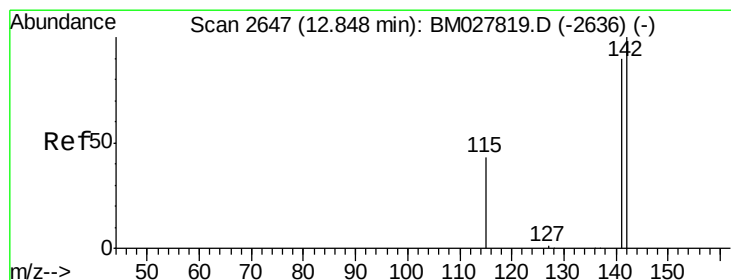
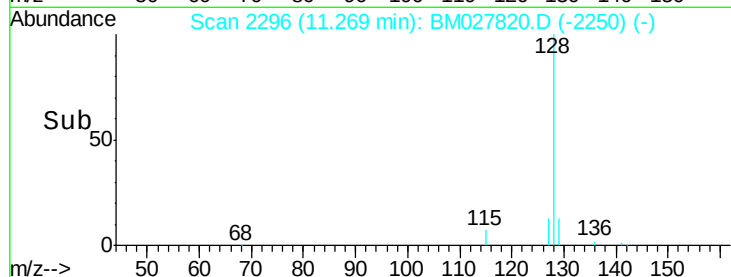
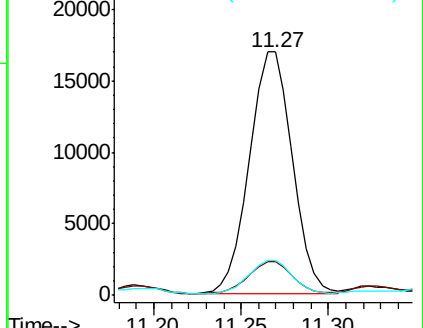
11/19/2020 10:33:14 AM



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



#5

2-Methylnaphthalene

Concen: 7.565 ng/ul

RT: 12.85 min Scan# 2647

Delta R.T. 0.00 min

Lab File: BM027820.D

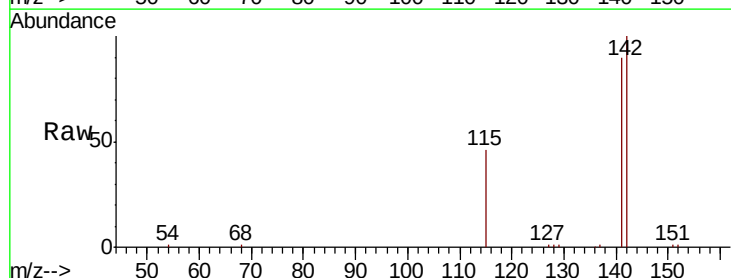
Acq: 17 Nov 2020 16:37

Tgt Ion:142 Resp: 83657

Ion Ratio Lower Upper

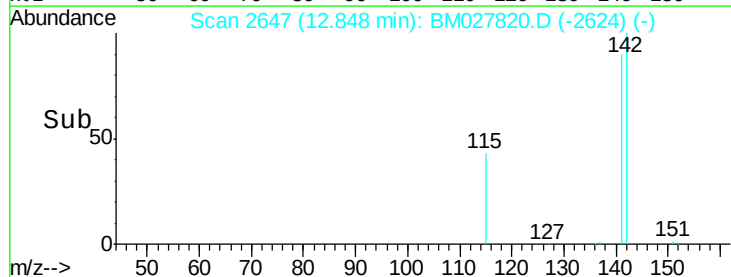
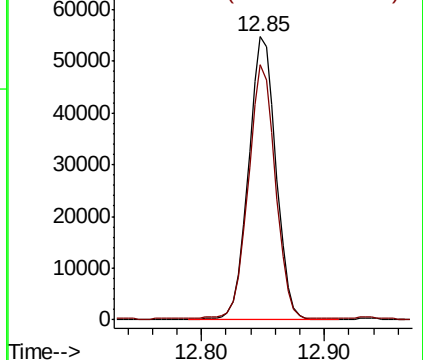
142 100

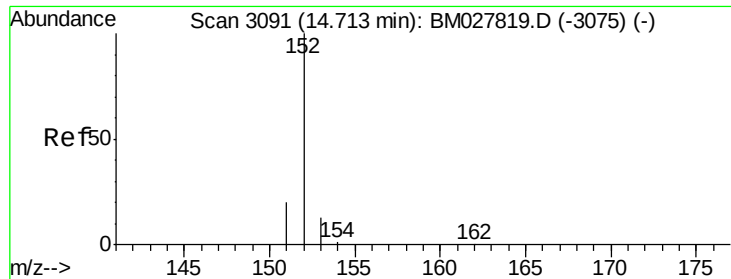
141 88.9 70.0 105.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.284 ng/ul

RT: 14.71 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM027820.D

Acq: 17 Nov 2020 16:37

Instrument :

BNA_M

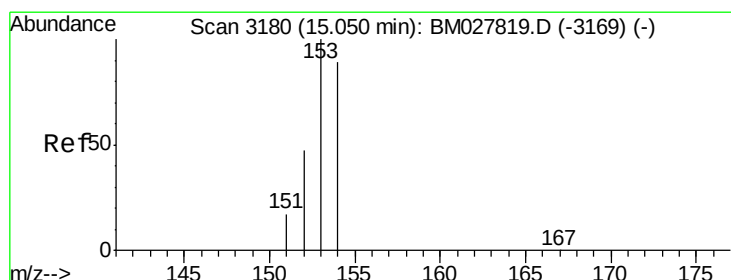
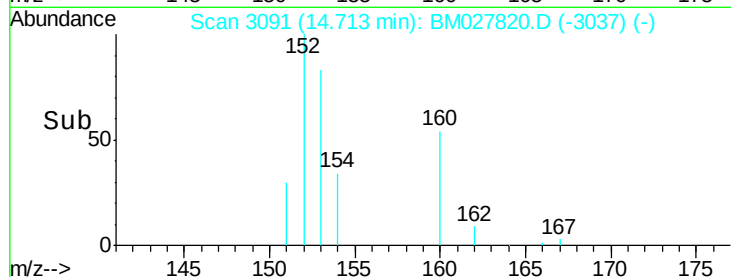
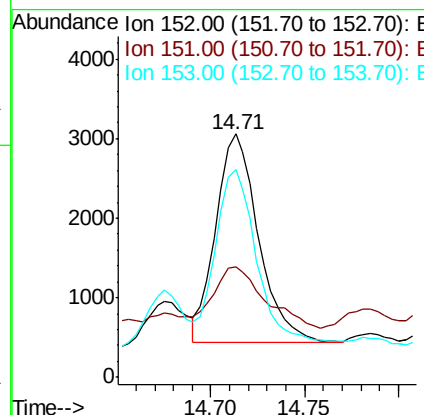
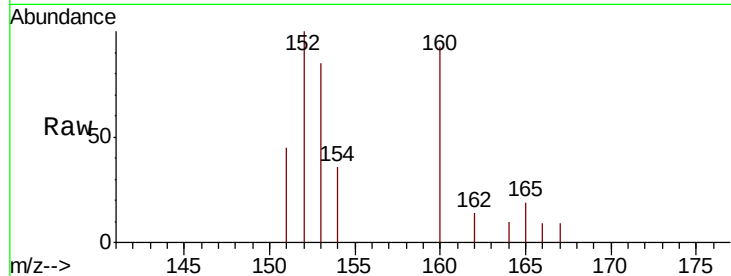
ClientSampleId :

C0AB8DL

Tot Ion:	152	Resp:	4111
Ion Ratio	Lower	Upper	
152	100		
151	45.3	17.8	26.6#
153	85.1	11.8	17.8#

Manual Integrations
APPROVED

mohammad
11/19/2020 10:33:14 AM



#8

Acenaphthene

Concen: 0.828 ng/ul

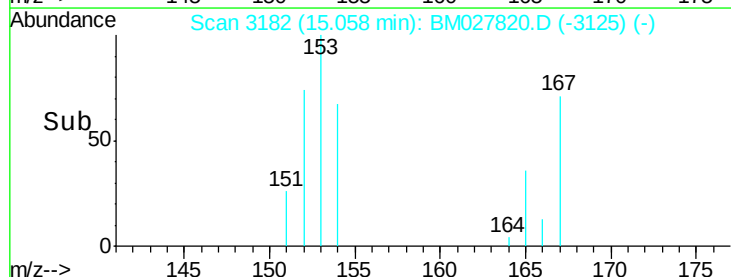
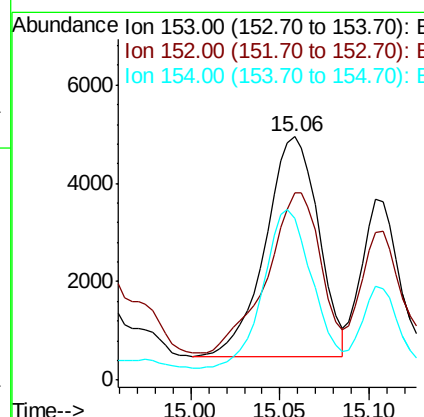
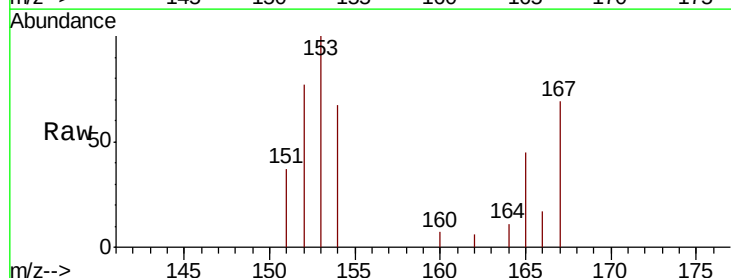
RT: 15.06 min Scan# 3182

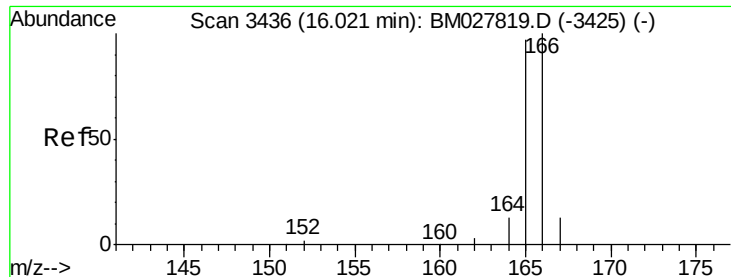
Delta R.T. 0.02 min

Lab File: BM027820.D

Acq: 17 Nov 2020 16:37

Tgt Ion:	153	Resp:	9181
Ion Ratio	Lower	Upper	
153	100		
152	77.2	38.6	58.0#
154	66.7	72.0	108.0#





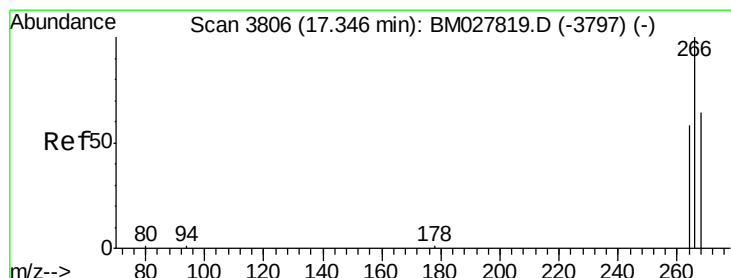
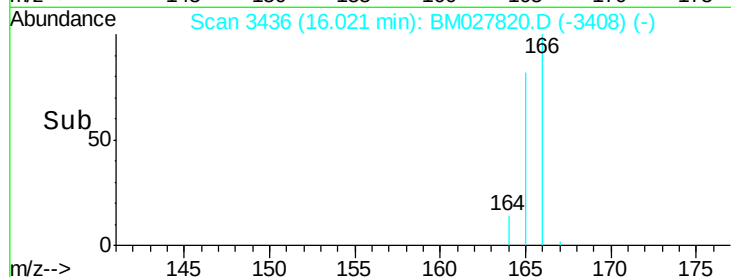
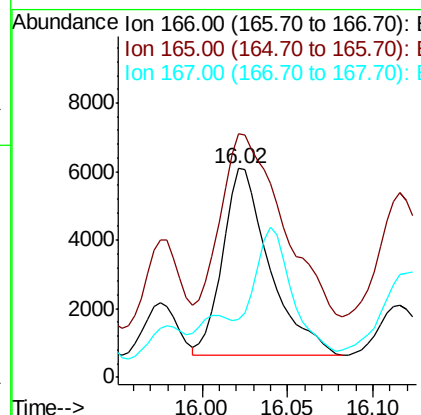
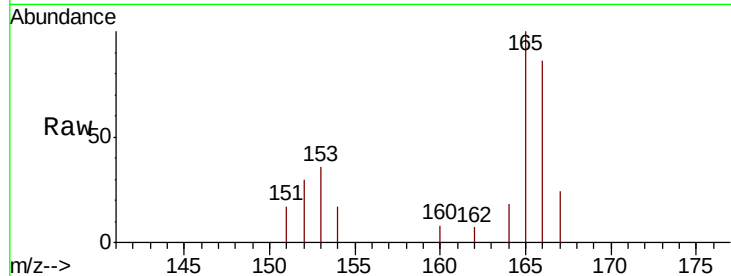
#9
Fluorene
 Concen: 0.779 ng/ul
 RT: 16.02 min Scan# 3436
 Delta R.T. 0.01 min
 Lab File: BM027820.D
 Acq: 17 Nov 2020 16:37

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	116.5	76.9	115.3#
167	27.8	12.0	18.0#

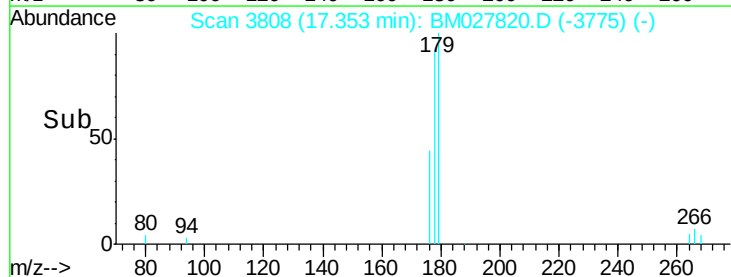
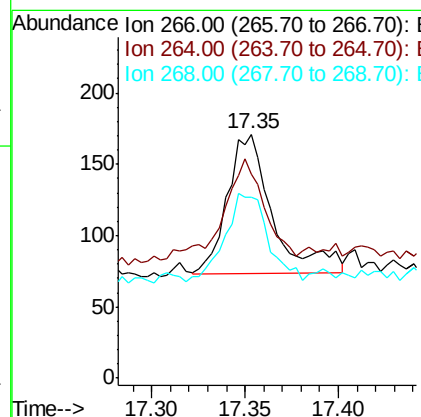
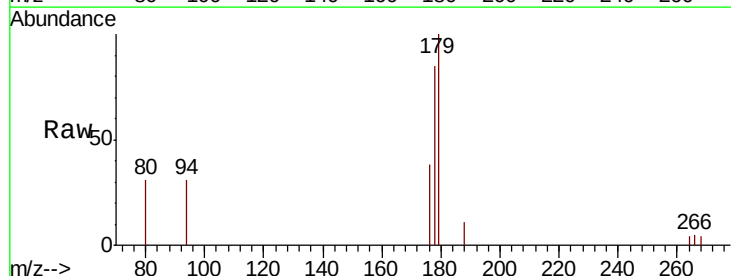
Manual Integrations
 APPROVED

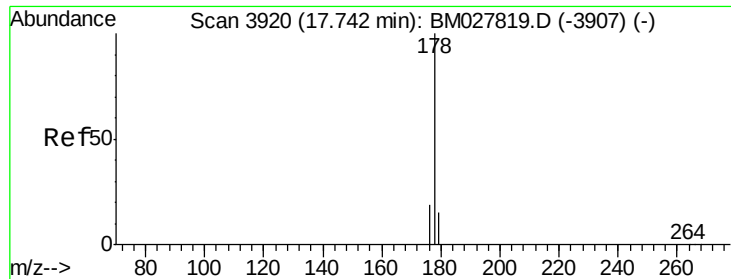
mohammad
 11/19/2020 10:33:14 AM



#11
Pentachlorophenol
 Concen: 0.103 ng/ul
 RT: 17.35 min Scan# 3808
 Delta R.T. 0.01 min
 Lab File: BM027820.D
 Acq: 17 Nov 2020 16:37

Tgt Ion	Ratio	Lower	Upper
266	100		
264	72.9	49.0	73.6
268	60.2	50.4	75.6





#12

Phenanthrene

Concen: 8.190 ng/ul

RT: 17.75 min Scan# 3921

Delta R.T. 0.01 min

Lab File: BM027820.D

Acq: 17 Nov 2020 16:37

Instrument :

BNA_M

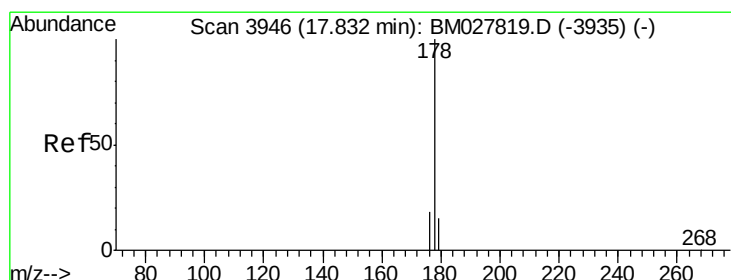
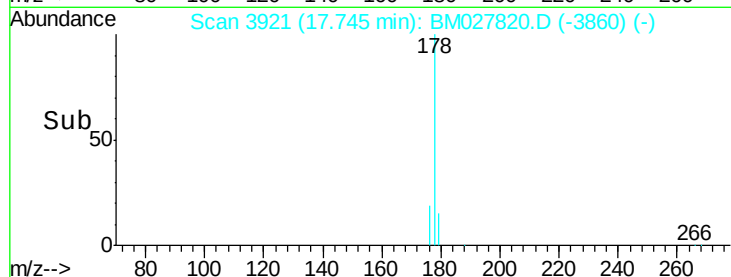
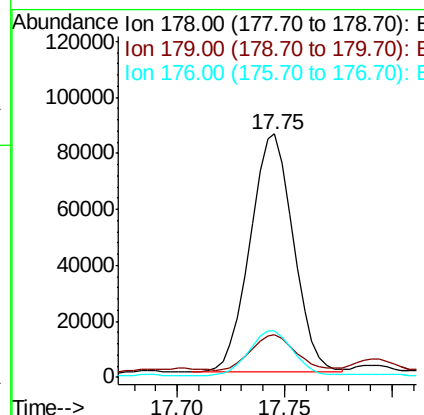
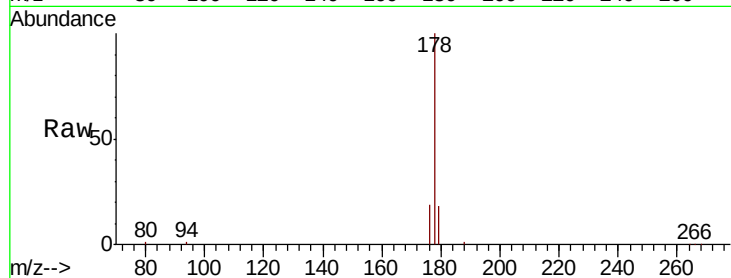
ClientSampleId :

C0AB8DL

Tot Ion:178	Resp:	119261
Ion Ratio	Lower	Upper
178	100	
179	17.5	13.5 20.3
176	19.1	16.5 24.7

Manual Integrations
APPROVED

mohammad
11/19/2020 10:33:14 AM



#13

Anthracene

Concen: 0.709 ng/ul

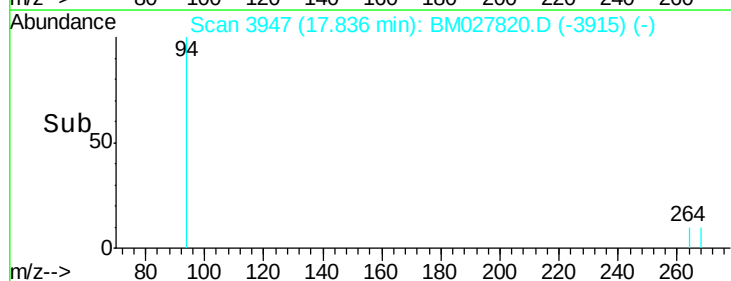
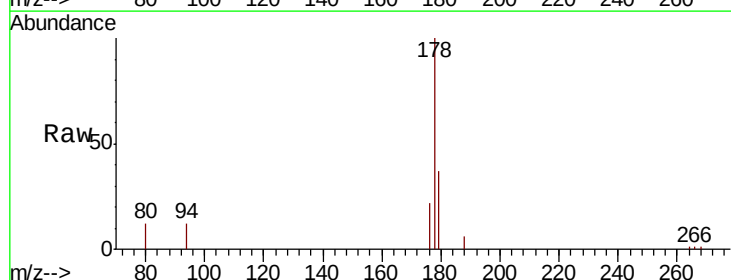
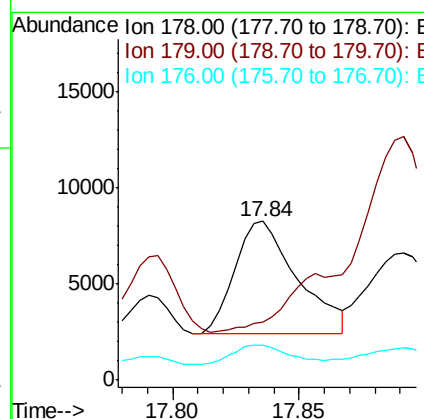
RT: 17.84 min Scan# 3947

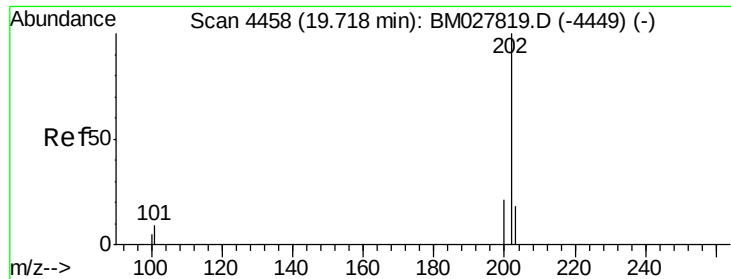
Delta R.T. 0.01 min

Lab File: BM027820.D

Acq: 17 Nov 2020 16:37

Tgt Ion:178	Resp:	10050
Ion Ratio	Lower	Upper
178	100	
179	36.7	13.6 20.4#
176	22.1	15.4 23.2





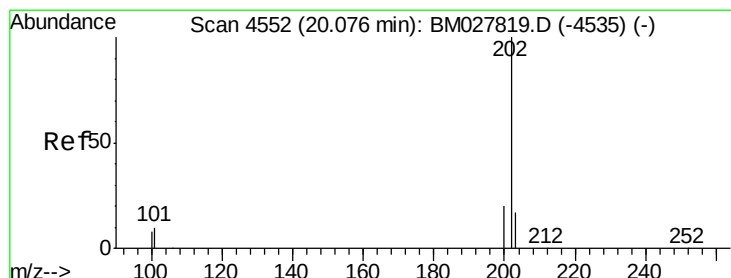
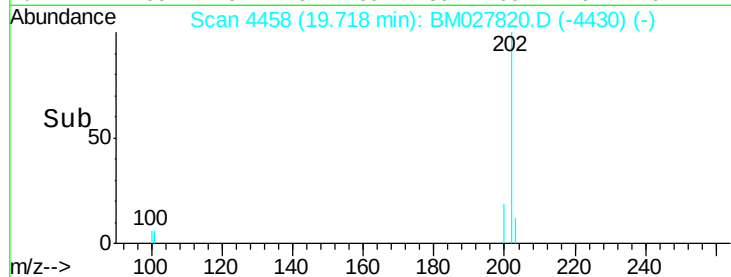
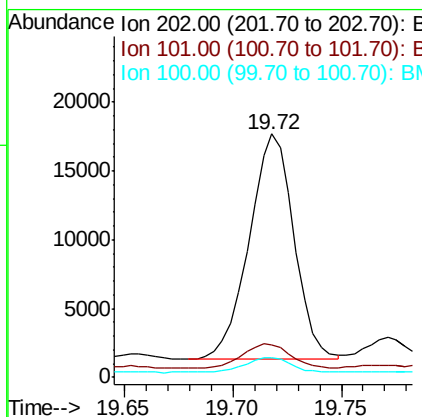
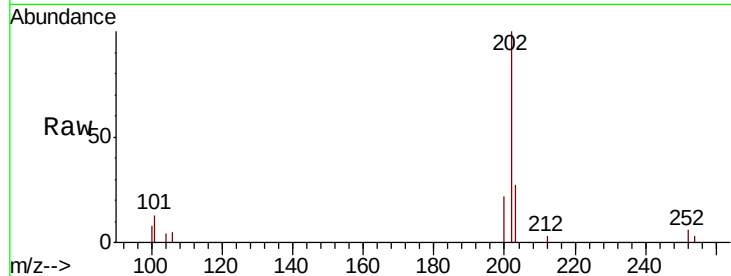
#15
Fluoranthene
Concen: 1.413 ng/ul
RT: 19.72 min Scan# 4458
Delta R.T. 0.01 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	23546		
101	13.4	0.0	28.0	
100	8.0	0.0	26.3	

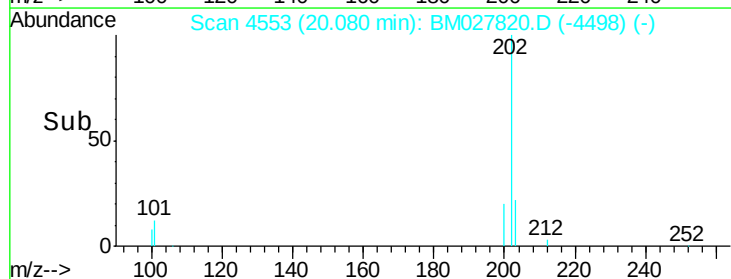
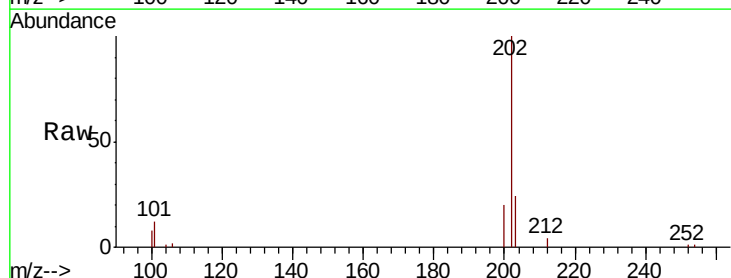
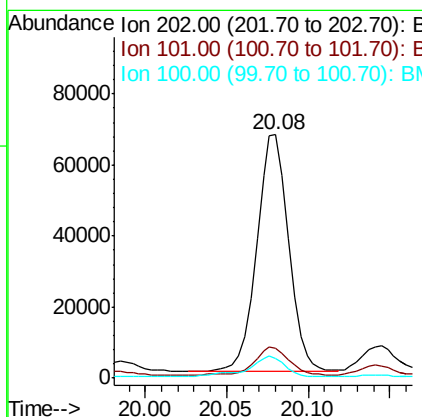
Manual Integrations
APPROVED

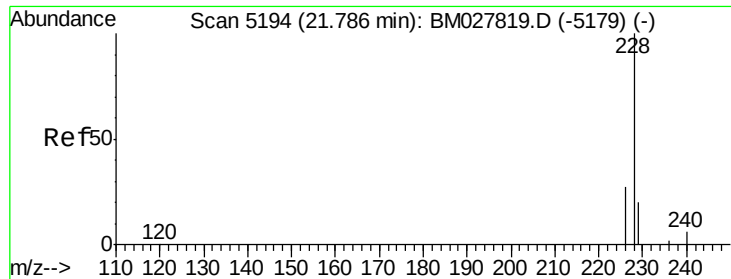
mohammad
11/19/2020 10:33:14 AM



#17
Pyrene
Concen: 6.159 ng/ul
RT: 20.08 min Scan# 4553
Delta R.T. 0.01 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	91412		
101	12.5	6.4	9.6#	
100	8.2	5.8	8.6	





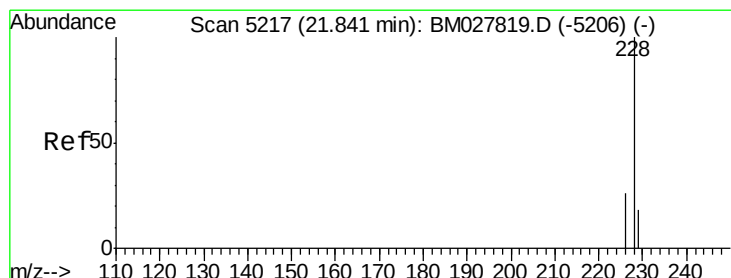
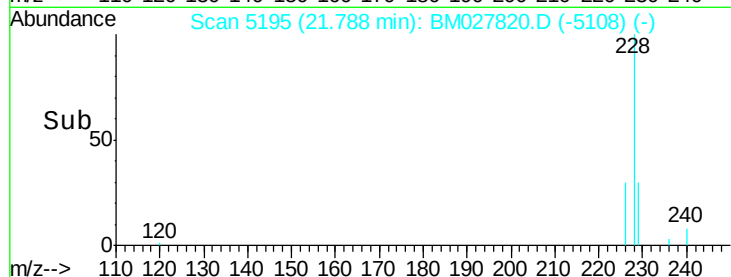
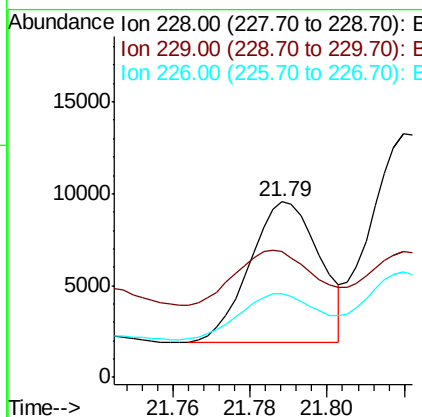
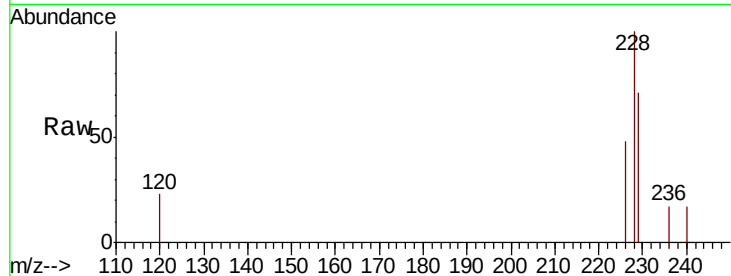
#18
Benzo(a)anthracene
Concen: 0.725 ng/ul
RT: 21.79 min Scan# 5195
Delta R.T. 0.01 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	71.4	15.9	23.9#
226	47.6	22.0	33.0#

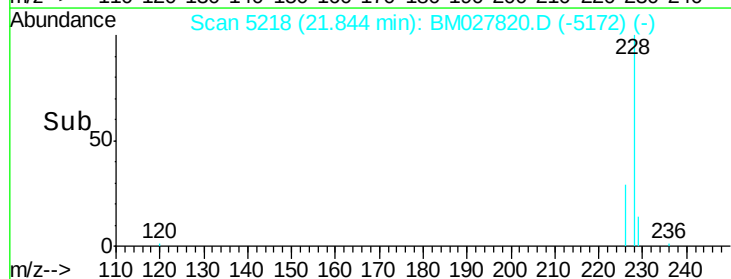
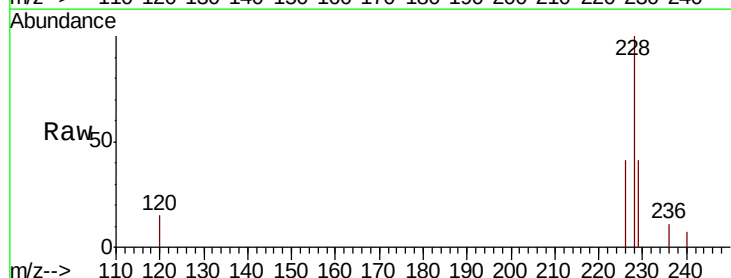
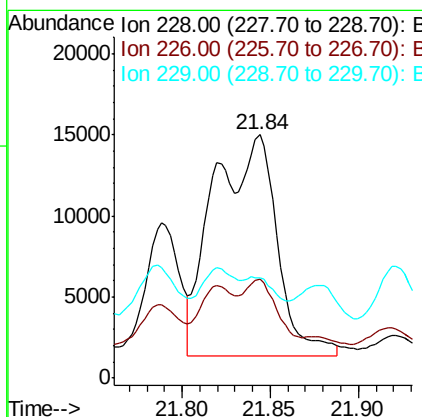
Manual Integrations
APPROVED

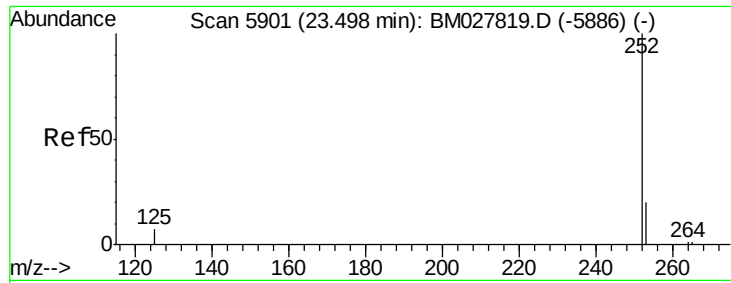
mohammad
11/19/2020 10:33:14 AM



#19
Chrysene
Concen: 2.509 ng/ul m
RT: 21.84 min Scan# 5218
Delta R.T. 0.01 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.6	24.2	36.2#
229	41.2	16.8	25.2#





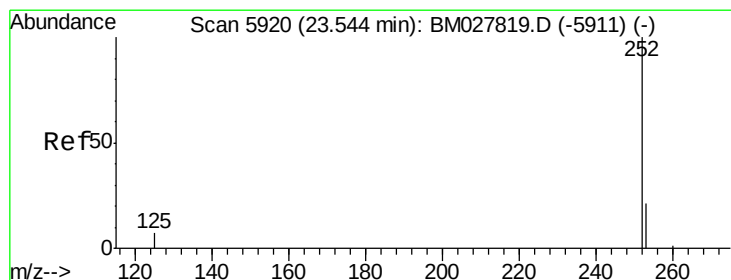
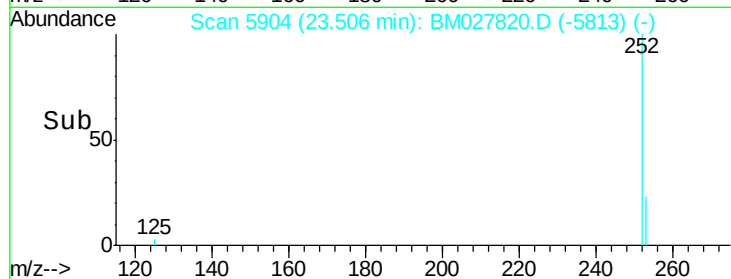
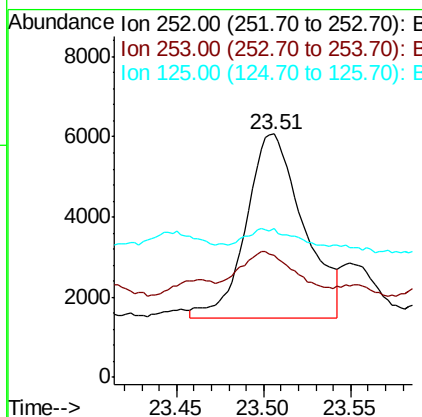
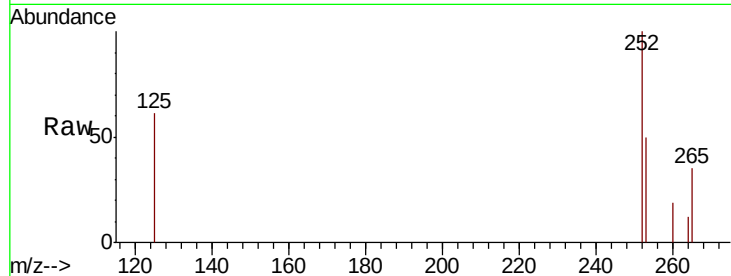
#21
Benzo(b)fluoranthene
Concen: 0.937 ng/ul m
RT: 23.51 min Scan# 5904
Delta R.T. 0.02 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	10527		
253	50.4	0.0	52.2	
125	61.3	0.0	17.6	

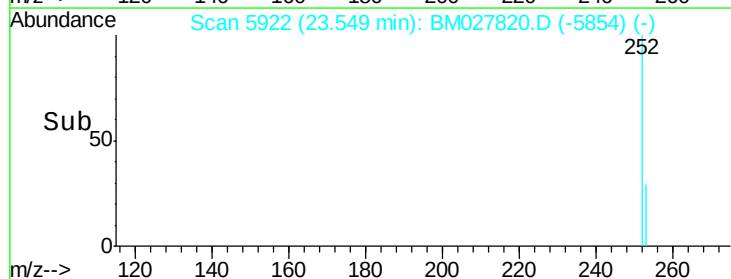
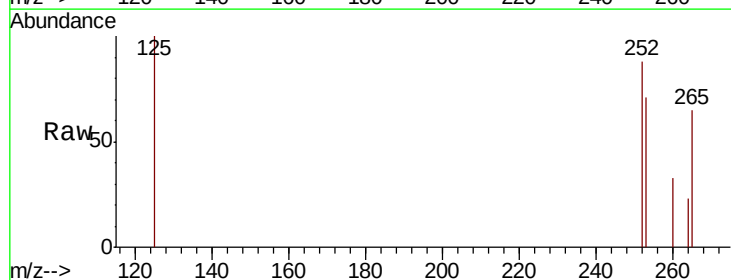
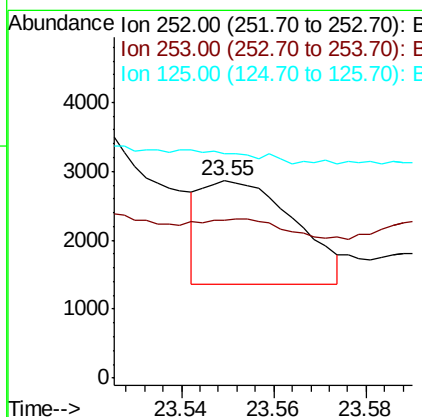
Manual Integrations
APPROVED

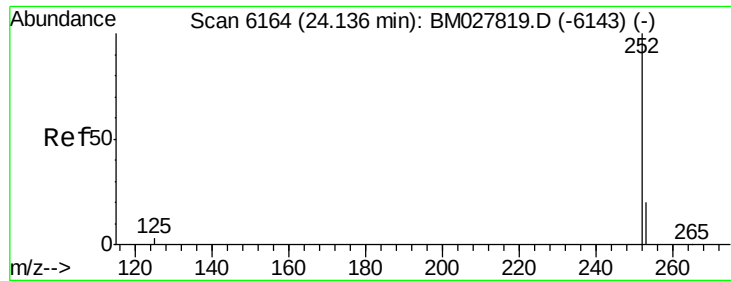
mohammad
11/19/2020 10:33:14 AM



#22
Benzo(k)fluoranthene
Concen: 0.190 ng/ul m
RT: 23.55 min Scan# 5922
Delta R.T. 0.01 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	2093		
253	80.1	20.4	30.6	
125	113.6	7.0	10.4	





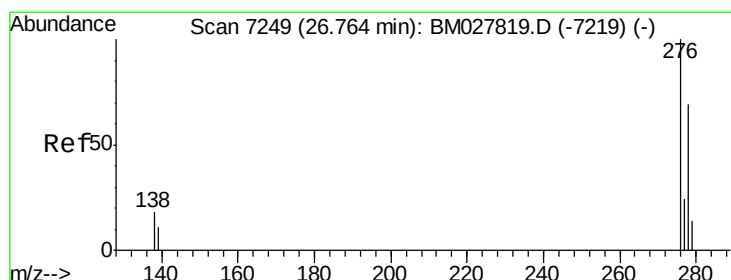
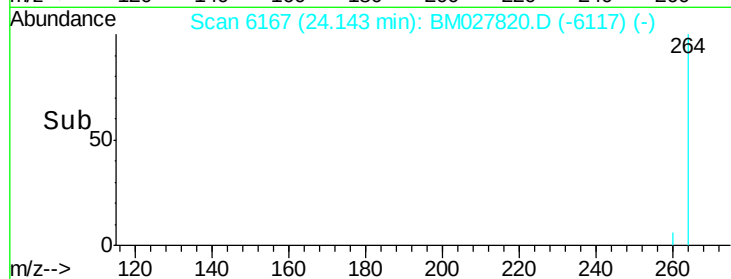
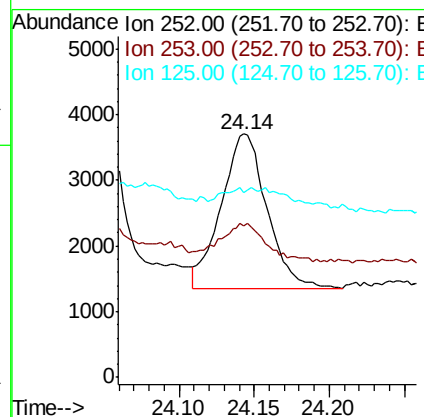
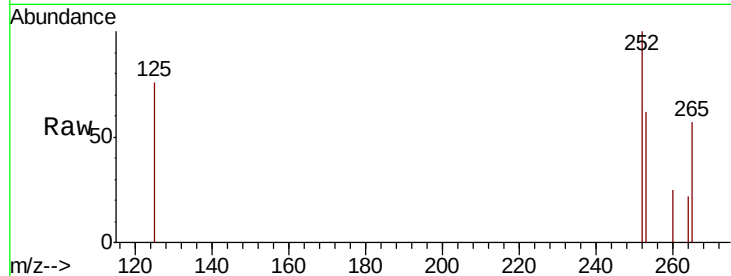
#23
Benzo(a)pyrene
Concen: 0.503 ng/ul
RT: 24.14 min Scan# 6167
Delta R.T. 0.02 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Instrument :
BNA_M
ClientSampled :
C0AB8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	62.1	21.0	31.6#
125	75.9	7.8	11.8#

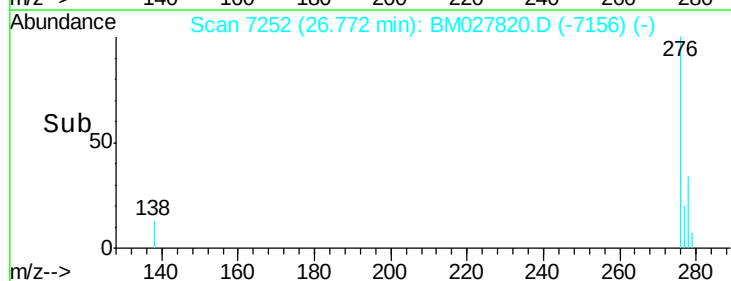
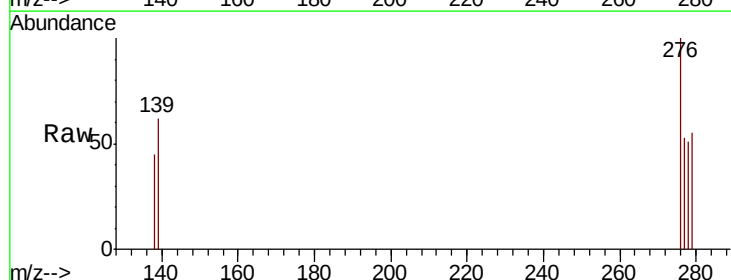
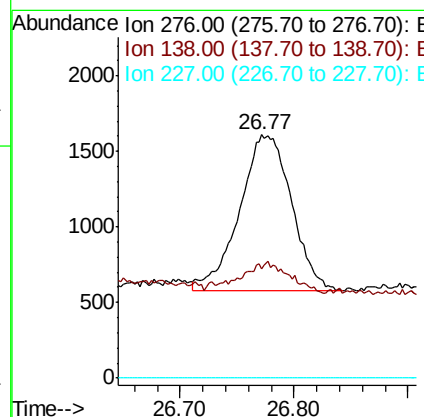
Manual Integrations
APPROVED

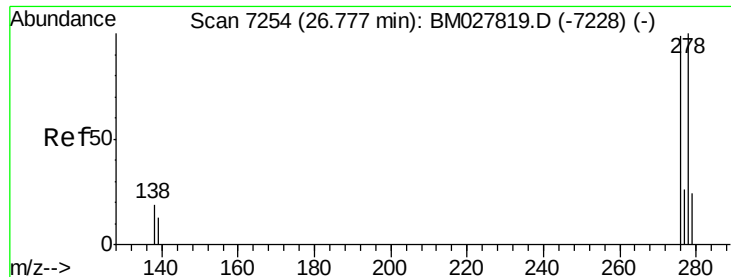
mohammad
11/19/2020 10:33:14 AM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.290 ng/ul
RT: 26.77 min Scan# 7252
Delta R.T. 0.03 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.1	18.1
227	0.0	0.0	0.0





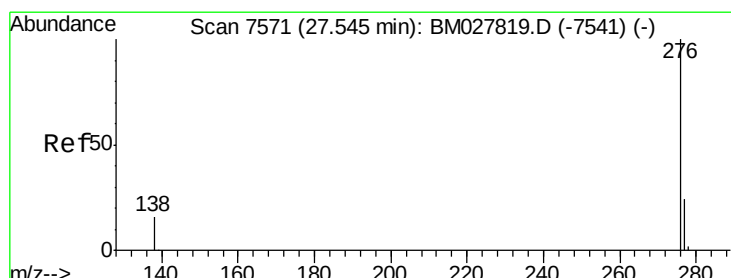
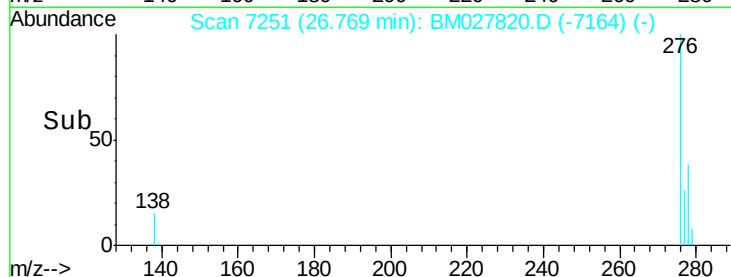
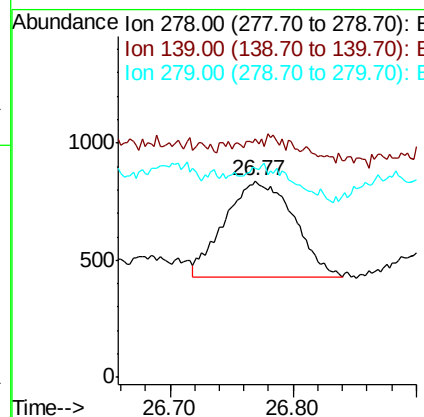
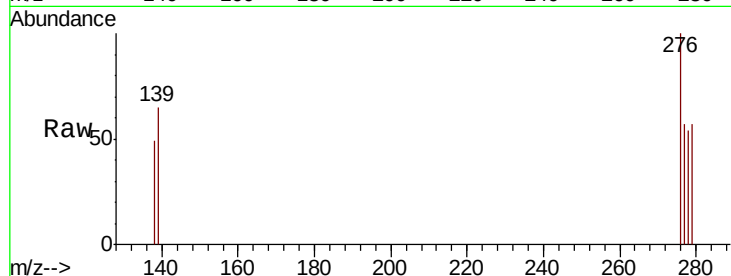
#25
Dibenzo(a,h)anthracene
Concen: 0.171 ng/ul
RT: 26.77 min Scan# 7251
Delta R.T. 0.01 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	121.3	10.2	15.4#
279	106.6	21.9	32.9#

Manual Integrations
APPROVED

mohammad
11/19/2020 10:33:14 AM



#26
Benzo(g,h,i)perylene
Concen: 0.621 ng/ul
RT: 27.56 min Scan# 7578
Delta R.T. 0.04 min
Lab File: BM027820.D
Acq: 17 Nov 2020 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	37.5	12.8	19.2#
277	43.2	21.5	32.3#

