

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027937.D
 Acq On : 24 Nov 2020 11:42
 Operator : JU/CG
 Sample : L4749-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B75

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:45:49 PM

Quant Time: Nov 24 12:31:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 11:35:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	1037	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4070	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2204	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3596	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2044	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	1928	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	793	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1105	0.12	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	14.67	152	228	0.021	ng/ul#	46
8) Acenaphthene	15.00	153	275	0.034	ng/ul#	93
9) Fluorene	15.98	166	349	0.037	ng/ul#	94
12) Phenanthrene	17.70	178	12701	1.118	ng/ul	98
13) Anthracene	17.79	178	1541	0.141	ng/ul#	90
15) Fluoranthene	19.68	202	35882	2.849	ng/ul	99
17) Pyrene	20.03	202	27750	2.673	ng/ul	97
18) Benzo(a)anthracene	21.74	228	13026	1.579	ng/ul	98
19) Chrysene	21.80	228	17478	2.176	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	22148m	2.733	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	7847m	0.989	ng/ul	
23) Benzo(a)pyrene	24.07	252	12367	1.746	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.67	276	9212	1.201	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	2370	0.371	ng/ul#	77
26) Benzo(g,h,i)perylene	27.45	276	7870	1.223	ng/ul	98

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

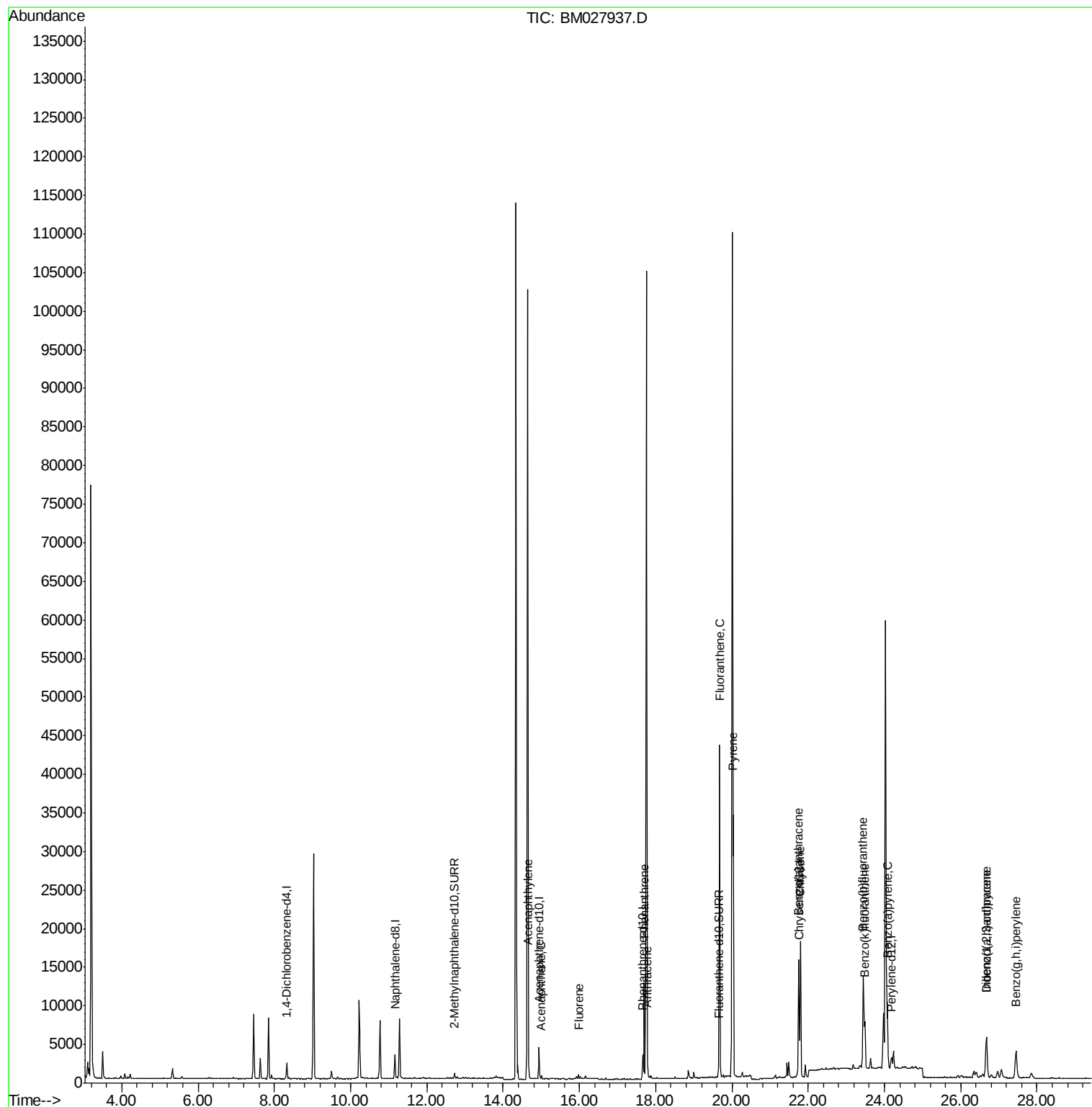
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
Data File : BM027937.D
Acq On : 24 Nov 2020 11:42
Operator : JU/CG
Sample : L4749-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

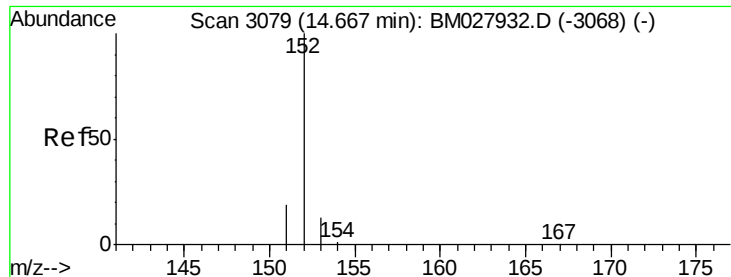
Instrument :
BNA_M
ClientSampleId :
C0B75

Manual Integrations
APPROVED

mohammad
11/25/2020 12:45:49 PM

Quant Time: Nov 24 12:31:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 11:35:49 2020
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.021 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Instrument :

BNA_M

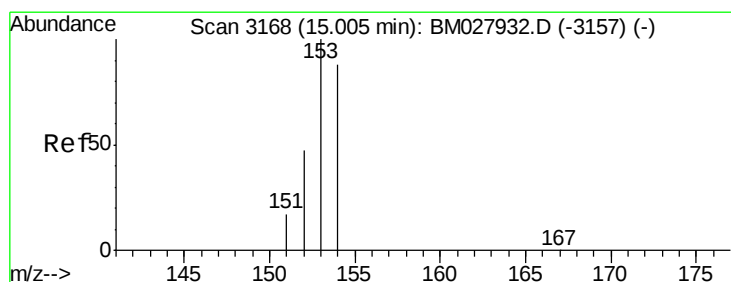
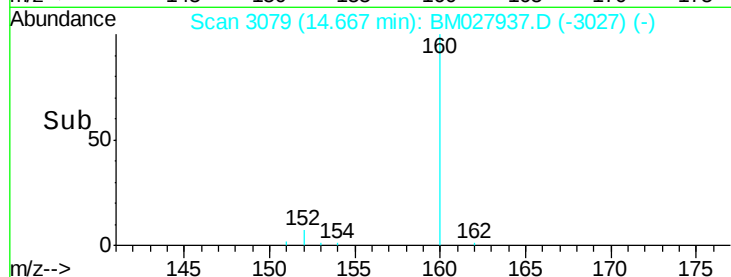
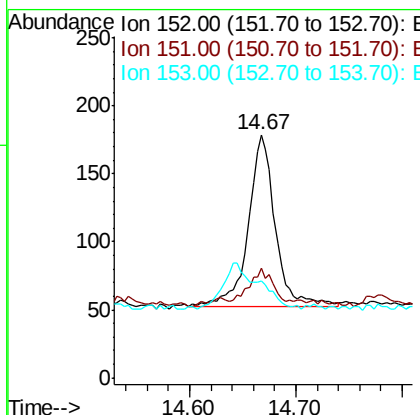
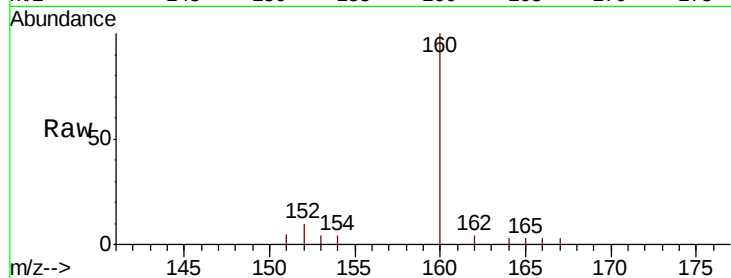
ClientSampleId :

C0B75

Tot Ion:	152	Resp:	228
Ion Ratio	Lower	Upper	
152	100		
151	45.3	17.1	25.7#
153	39.7	12.0	18.0#

Manual Integrations
APPROVED

mohammad
11/25/2020 12:45:49 PM



#8

Acenaphthene

Concen: 0.034 ng/ul

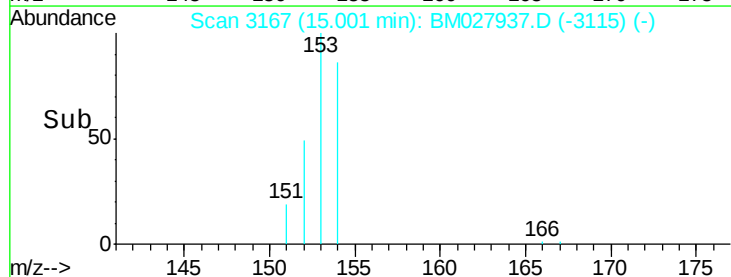
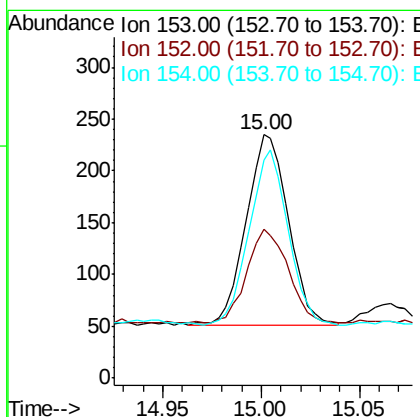
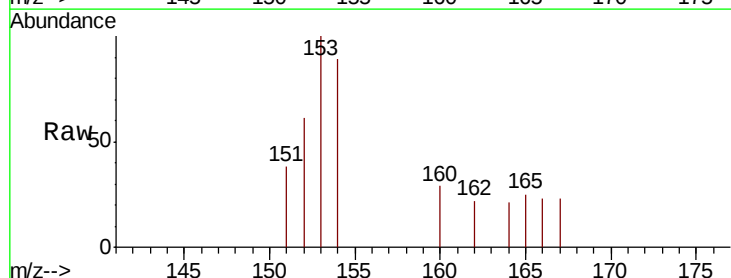
RT: 15.00 min Scan# 3167

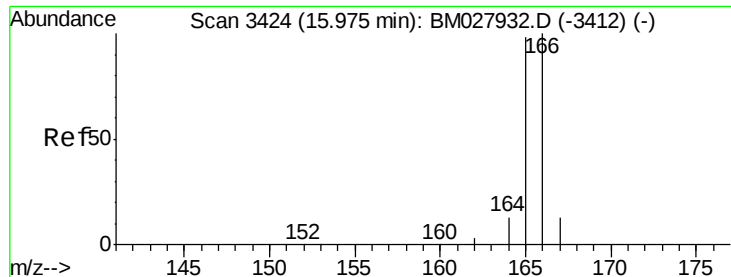
Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Tgt Ion:	153	Resp:	275
Ion Ratio	Lower	Upper	
153	100		
152	61.3	39.0	58.6#
154	89.4	71.6	107.4





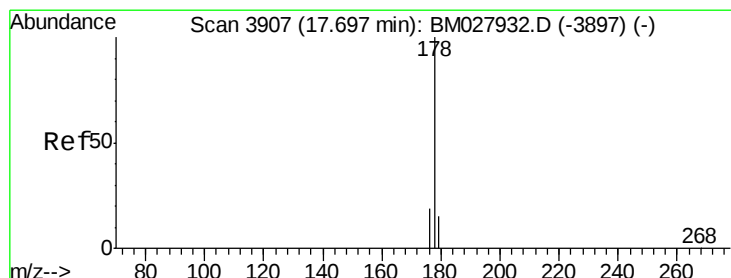
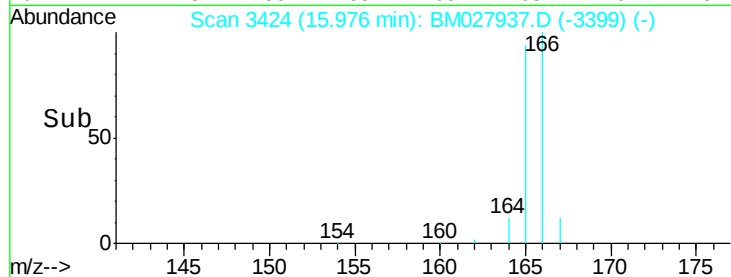
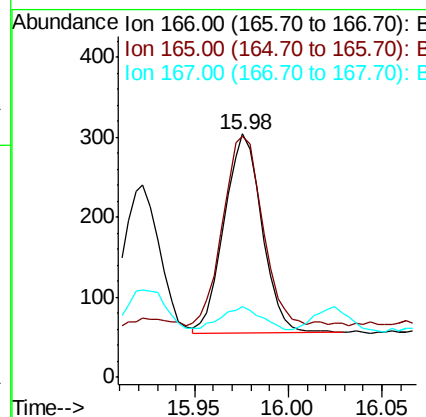
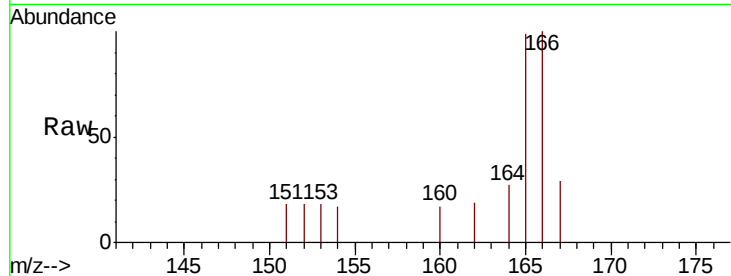
#9
Fluorene
 Concen: 0.037 ng/ul
 RT: 15.98 min Scan# 3424
 Delta R.T. -0.00 min
 Lab File: BM027937.D
 Acq: 24 Nov 2020 11:42

Instrument :
 BNA_M
 ClientSampleId :
 C0B75

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.1	117.1
167	29.3	11.8	17.8#

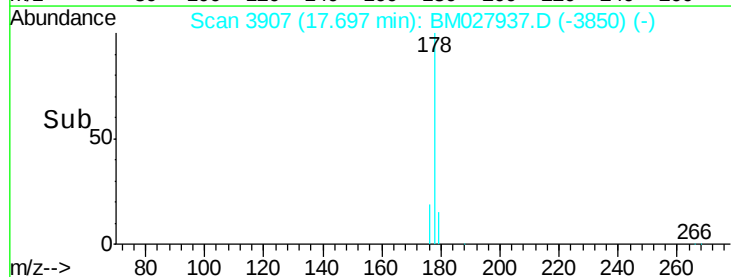
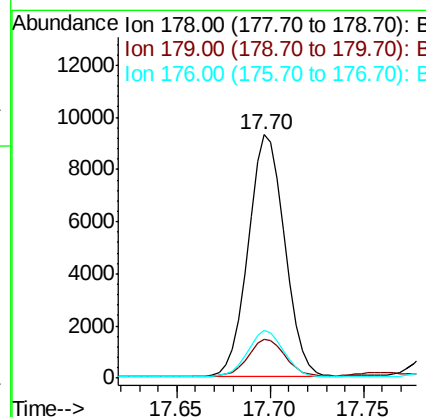
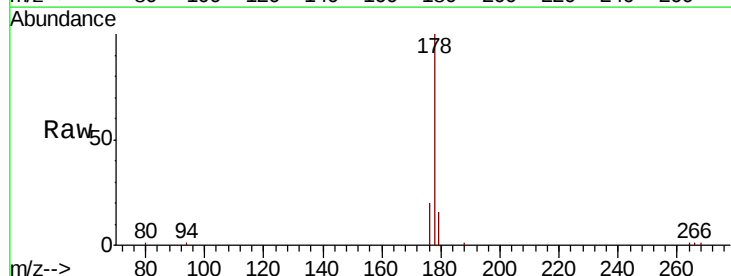
Manual Integrations
 APPROVED

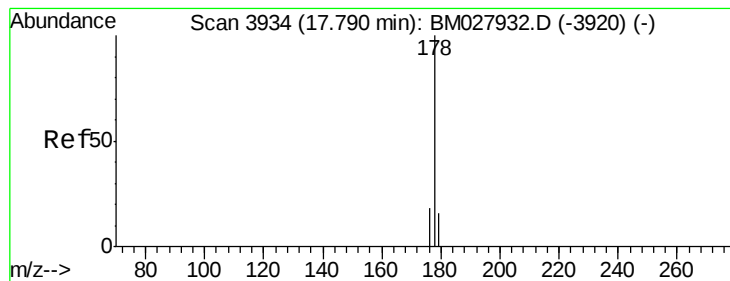
mohammad
 11/25/2020 12:45:49 PM



#12
Phenanthrene
 Concen: 1.118 ng/ul
 RT: 17.70 min Scan# 3907
 Delta R.T. -0.00 min
 Lab File: BM027937.D
 Acq: 24 Nov 2020 11:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.6	20.4
176	19.7	16.1	24.1





#13

Anthracene

Concen: 0.141 ng/ul

RT: 17.79 min Scan# 3933

Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Instrument :

BNA_M

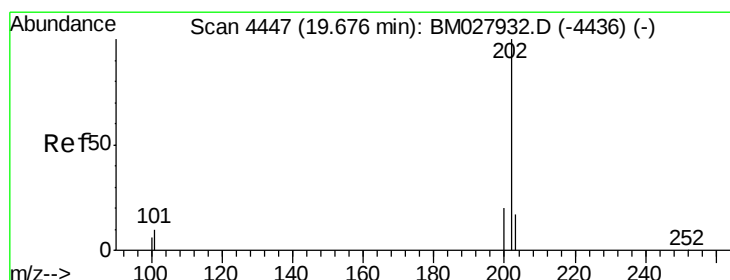
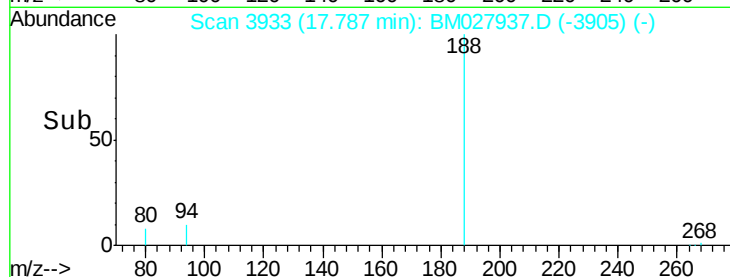
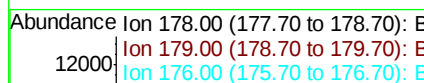
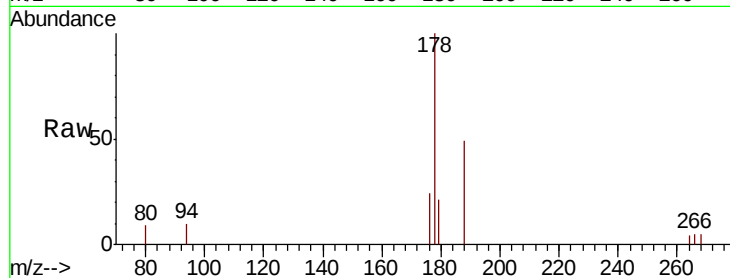
ClientSampleId :

C0B75

Tot Ion:	178	Resp:	1541
Ion Ratio	Lower	Upper	
178	100		
179	20.5	13.4	20.2#
176	23.8	15.0	22.6#

Manual Integrations
APPROVED

mohammad
11/25/2020 12:45:49 PM



#15

Fluoranthene

Concen: 2.849 ng/ul

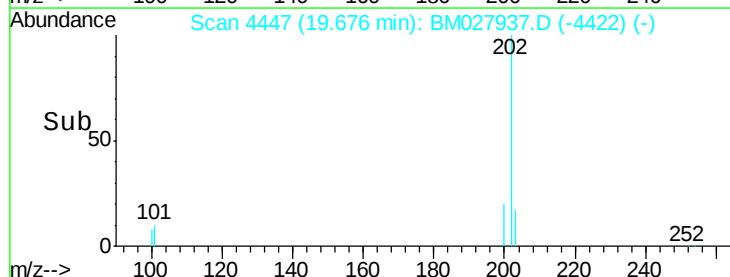
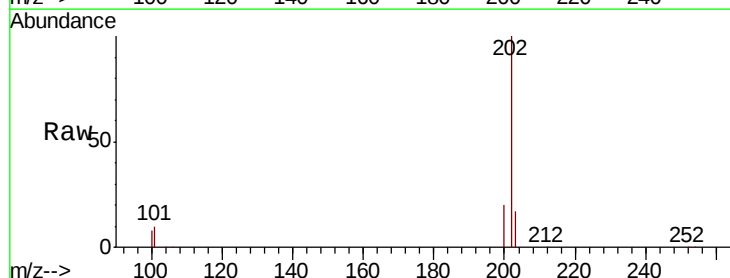
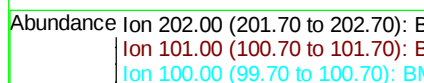
RT: 19.68 min Scan# 4447

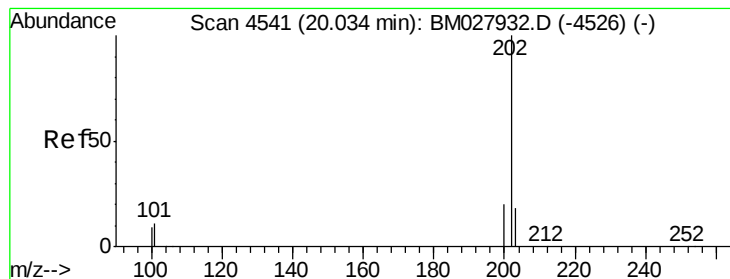
Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Tgt Ion:	202	Resp:	35882
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	29.3
100	7.8	0.0	27.4





#17

Pvrene

Concen: 2.673 ng/ul

RT: 20.03 min Scan# 4541

Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Instrument :

BNA_M

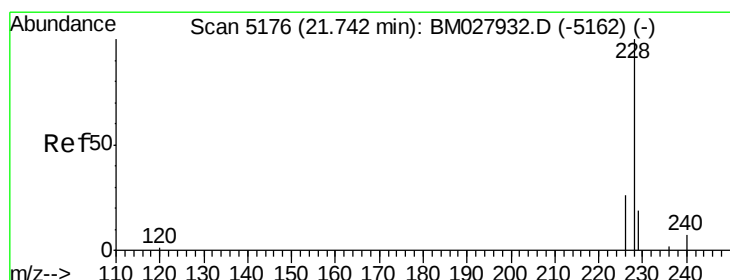
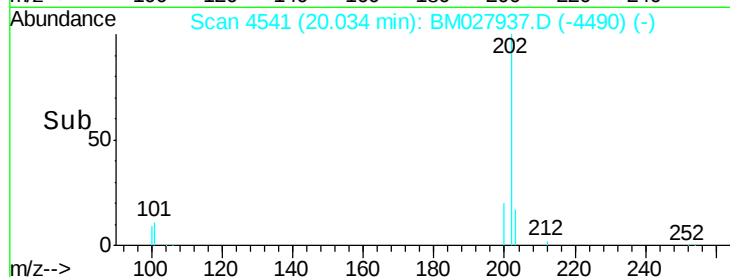
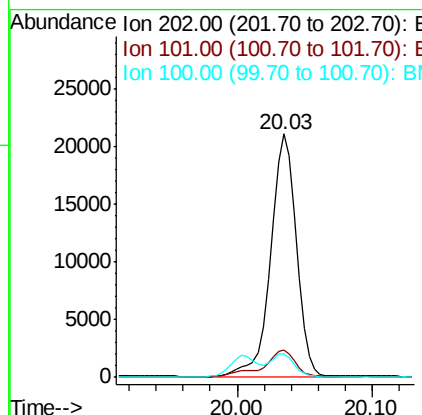
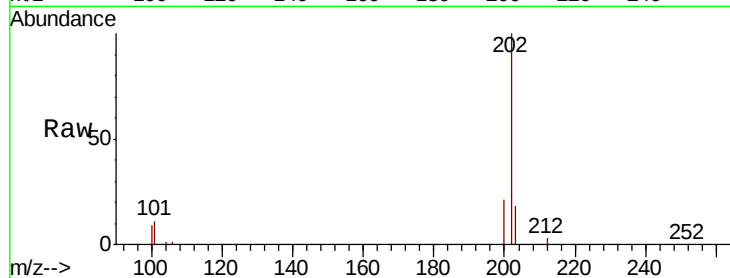
ClientSampleId :

C0B75

Tot Ion:	202	Resp:	27750
Ion Ratio	Lower	Upper	
202	100		
101	11.4	8.2	12.2
100	9.5	6.9	10.3

Manual Integrations
APPROVED

mohammad
11/25/2020 12:45:49 PM



#18

Benzo(a)anthracene

Concen: 1.579 ng/ul

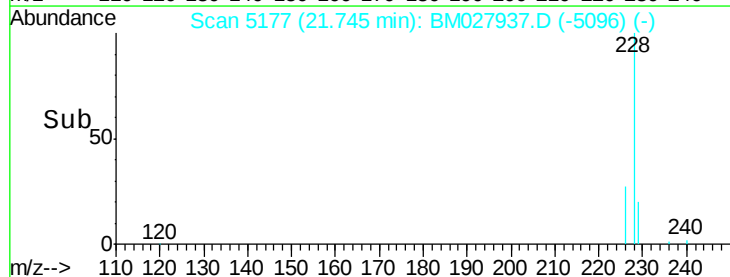
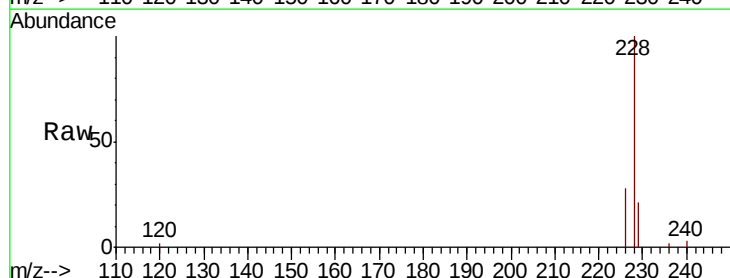
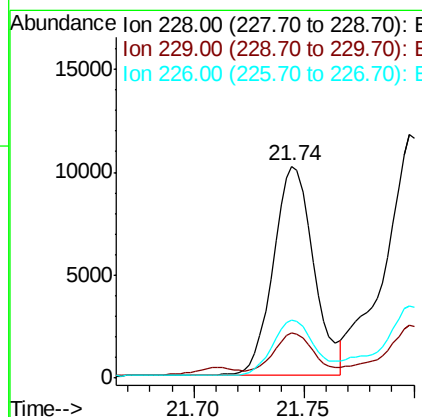
RT: 21.74 min Scan# 5177

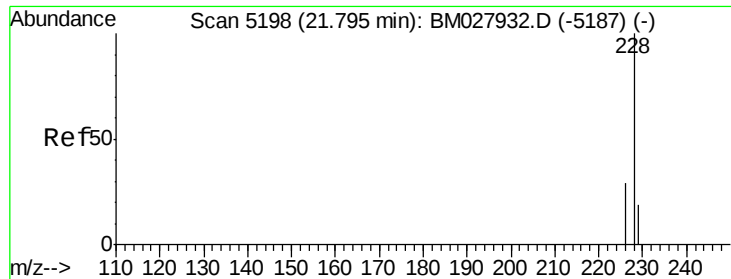
Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Tgt Ion:	228	Resp:	13026
Ion Ratio	Lower	Upper	
228	100		
229	21.4	16.2	24.4
226	27.6	21.5	32.3





#19

Chrysene

Concen: 2.176 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

Instrument :

BNA_M

ClientSampleId :

C0B75

Tot Ion:228 Resp: 17478

Ion Ratio Lower Upper

228 100

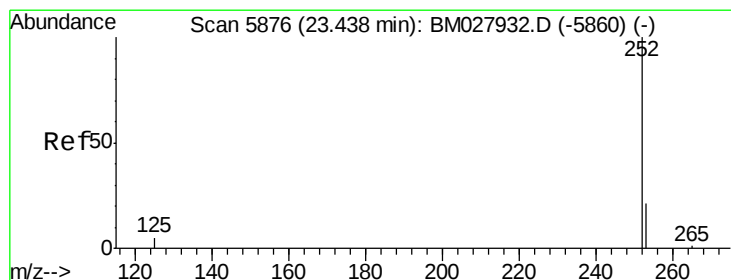
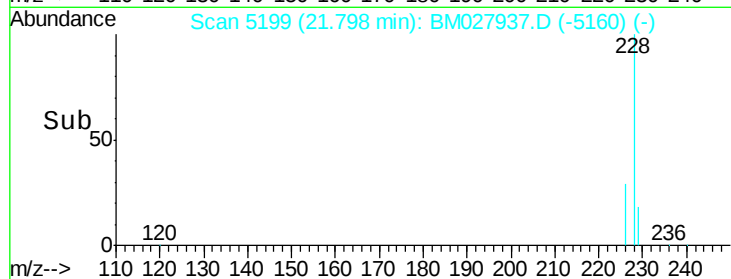
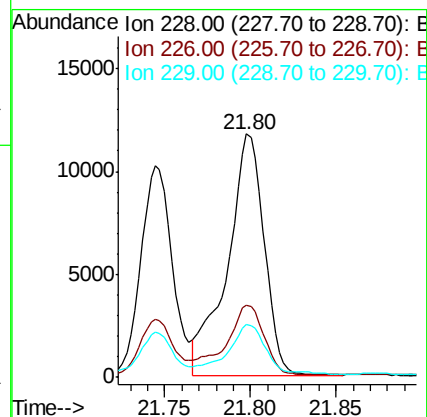
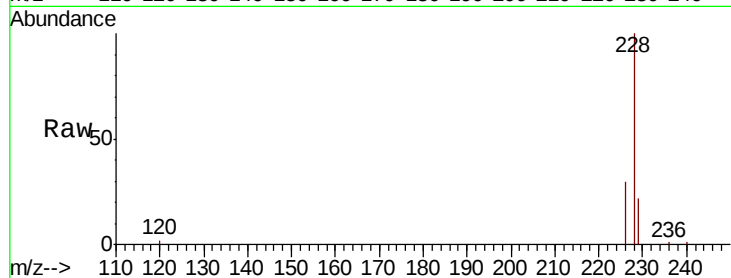
226 29.9 24.1 36.1

229 21.6 16.6 24.8

Manual Integrations
APPROVED

mohammad

11/25/2020 12:45:49 PM



#21

Benzo(b)fluoranthene

Concen: 2.733 ng/ul m

RT: 23.44 min Scan# 5878

Delta R.T. -0.00 min

Lab File: BM027937.D

Acq: 24 Nov 2020 11:42

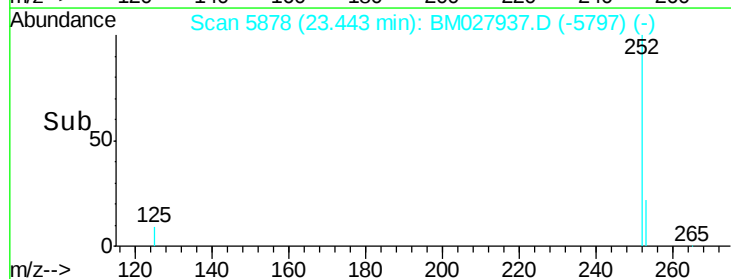
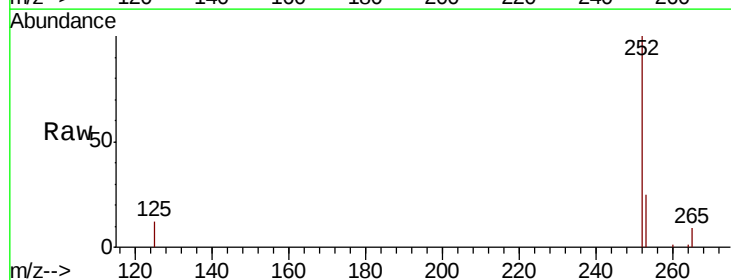
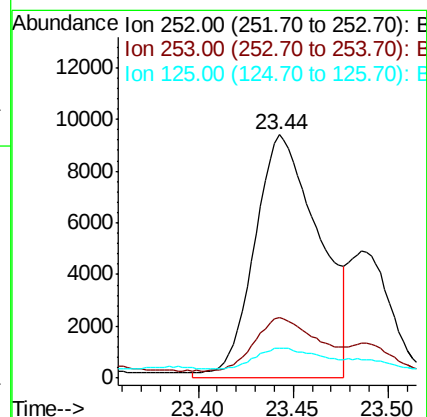
Tgt Ion:252 Resp: 22148

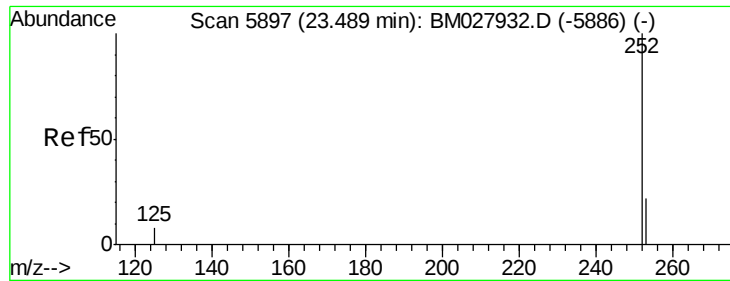
Ion Ratio Lower Upper

252 100

253 24.9 0.0 59.6

125 12.2 0.0 28.4





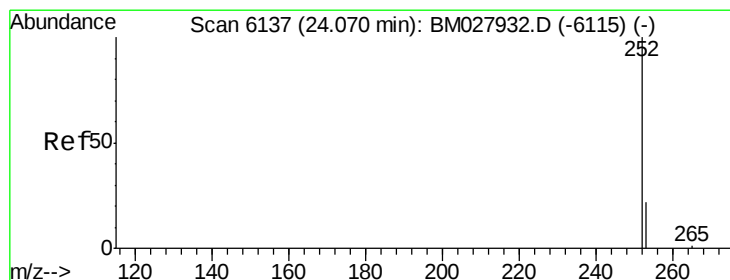
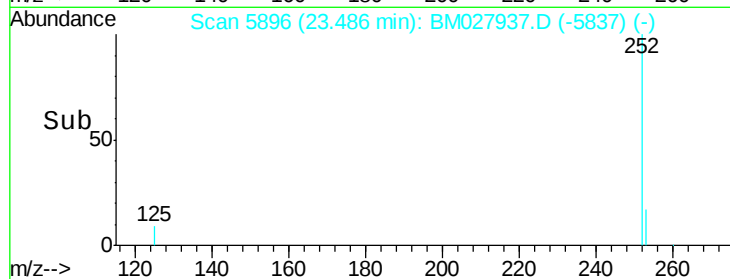
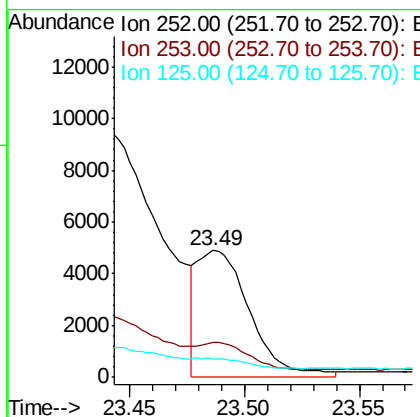
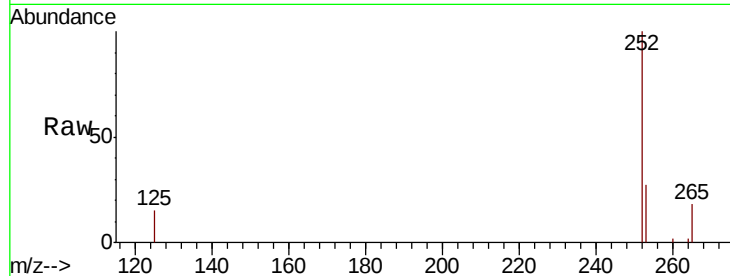
#22
Benzo(k)fluoranthene
Concen: 0.989 ng/ul m
RT: 23.49 min Scan# 5896
Delta R.T. -0.01 min
Lab File: BM027937.D
Acq: 24 Nov 2020 11:42

Instrument :
BNA_M
ClientSampleId :
C0B75

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	23.2	34.8
125	14.8	11.8	17.6

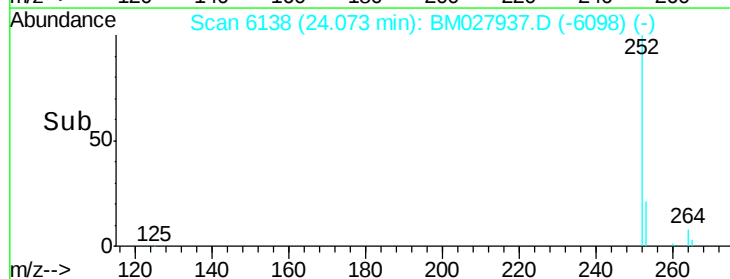
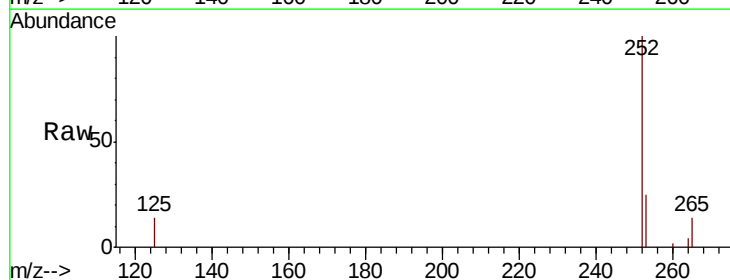
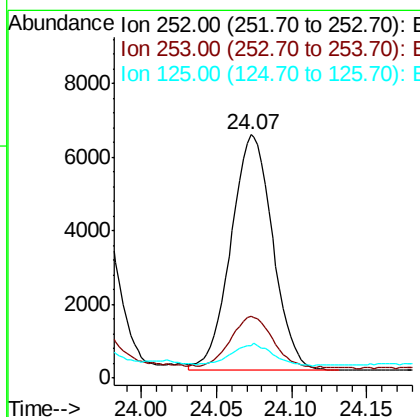
Manual Integrations
APPROVED

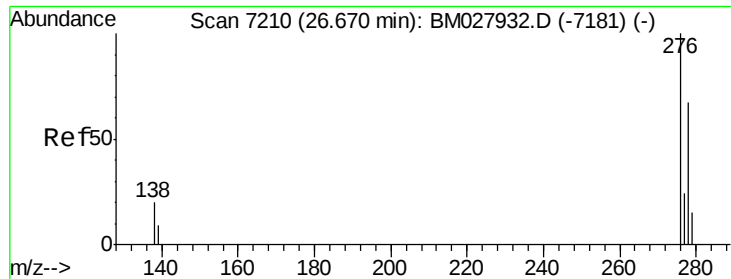
mohammad
11/25/2020 12:45:49 PM



#23
Benzo(a)pyrene
Concen: 1.746 ng/ul
RT: 24.07 min Scan# 6138
Delta R.T. -0.00 min
Lab File: BM027937.D
Acq: 24 Nov 2020 11:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	25.2	37.8
125	13.5	13.8	20.6





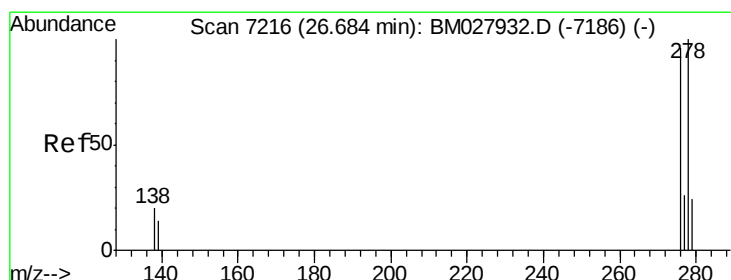
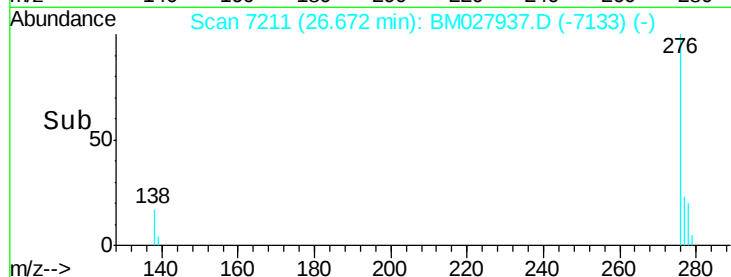
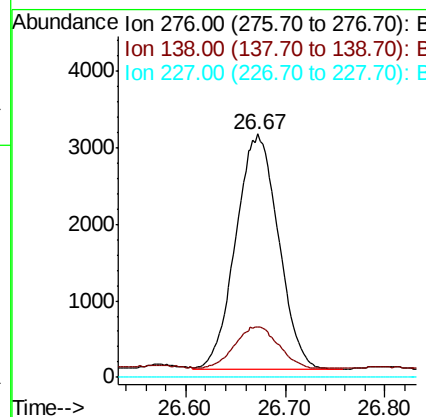
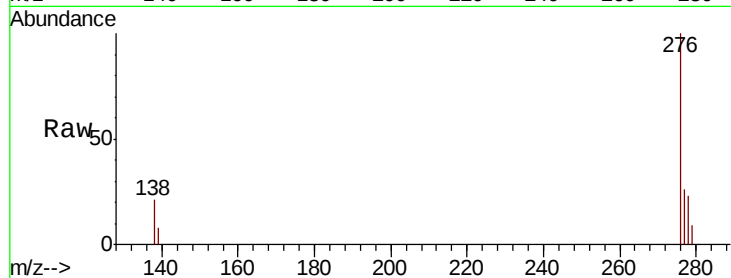
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.201 ng/ul
RT: 26.67 min Scan# 7211
Delta R.T. -0.01 min
Lab File: BM027937.D
Acq: 24 Nov 2020 11:42

Instrument :
BNA_M
ClientSampleId :
C0B75

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.7	23.5
227	0.0	0.0	0.0

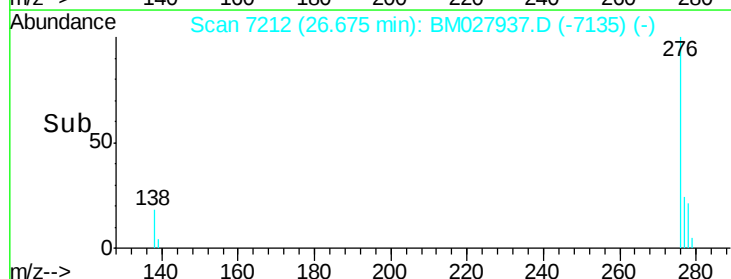
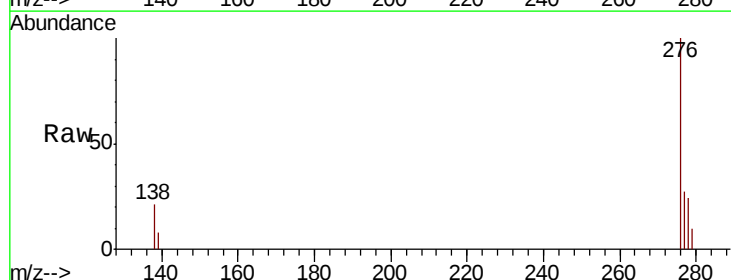
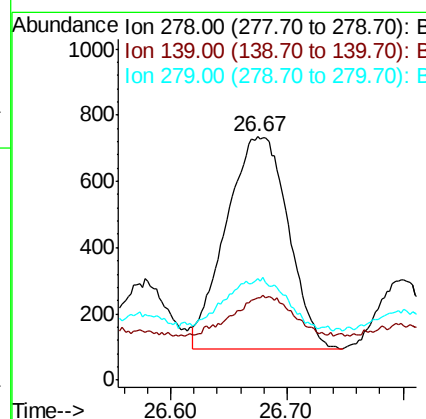
Manual Integrations
APPROVED

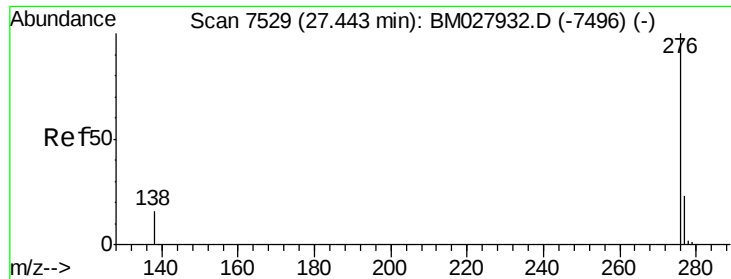
mohammad
11/25/2020 12:45:49 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.371 ng/ul
RT: 26.67 min Scan# 7212
Delta R.T. -0.01 min
Lab File: BM027937.D
Acq: 24 Nov 2020 11:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.9	14.8	22.2#
279	41.5	25.8	38.6#





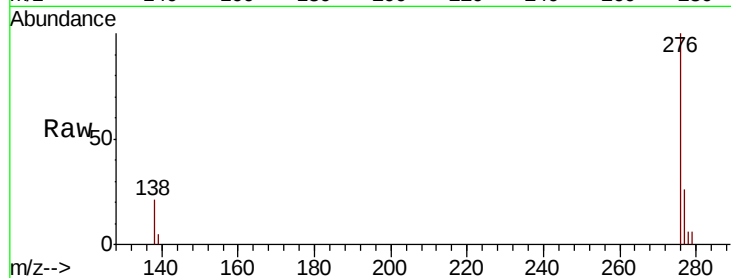
#26
 Benzo(a,h,i)perylene
 Concen: 1.223 ng/ul
 RT: 27.45 min Scan# 7531
 Delta R.T. -0.01 min
 Lab File: BM027937.D
 Acq: 24 Nov 2020 11:42

Instrument :
 BNA_M
 ClientSampleId :
 C0B75

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.4	26.2
277	26.3	22.5	33.7

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:45:49 PM



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

