Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112520\
Data File : BM027959.D
Acq On : 25 Nov 2020 12:21
Operator : JU/CG
Sample : L4751-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B80DL

Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

Quant Time: Nov 25 13:04:56 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 : Wed Nov 25 10:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	1055	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4097	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2247	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3908	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2229	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2179	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	158	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	208	0.02	ng/ul	0.00
Target Compounds						Qvalue
8) Acenaphthene	15.00	153	282	0.034	ng/ul	93
9) Fluorene	15.97	166	317	0.033	ng/ul#	88
12) Phenanthrene	17.70	178	12594	1.020	ng/ul	98
13) Anthracene	17.78	178	1324	0.111	ng/ul#	91
15) Fluoranthene	19.67	202	32840	2.399	ng/ul	98
17) Pyrene	20.03	202	26360	2.329	ng/ul	98
18) Benzo(a)anthracene	21.74	228	10187	1.133	ng/ul	99
19) Chrysene	21.80	228	14765	1.686	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	19407m	2.119	ng/ul	
22) Benzo(k)fluoranthene	23.48	252	7413m	0.827	ng/ul	
23) Benzo(a)pyrene	24.07	252	11490	1.435	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.67	276	8967	1.034	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.67	278	2052	0.284	ng/ul#	86
26) Benzo(g,h,i)perylene	27.44	276	8127	1.117	ng/ul	95

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

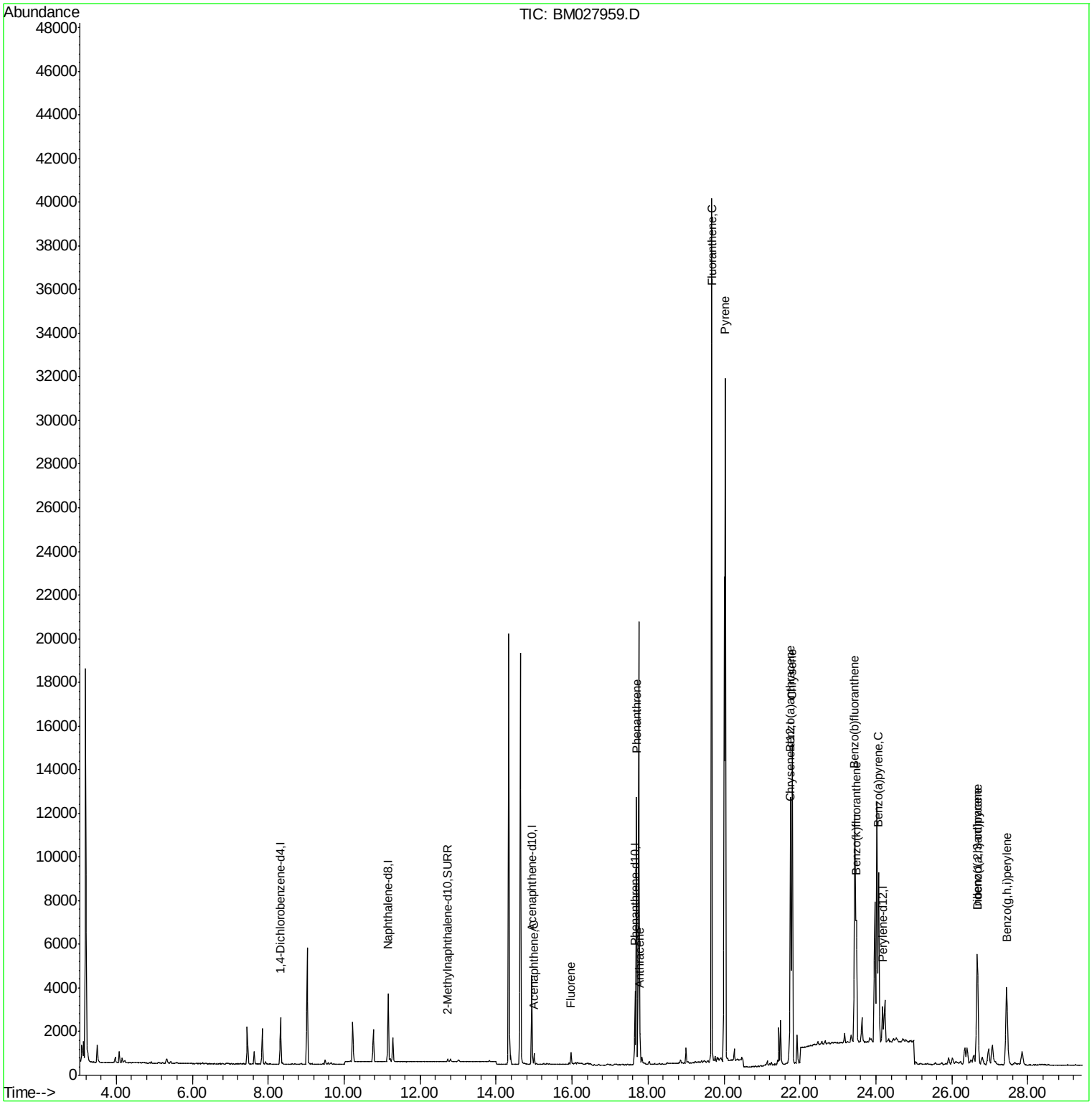
Quantitation Report (QT Reviewed)

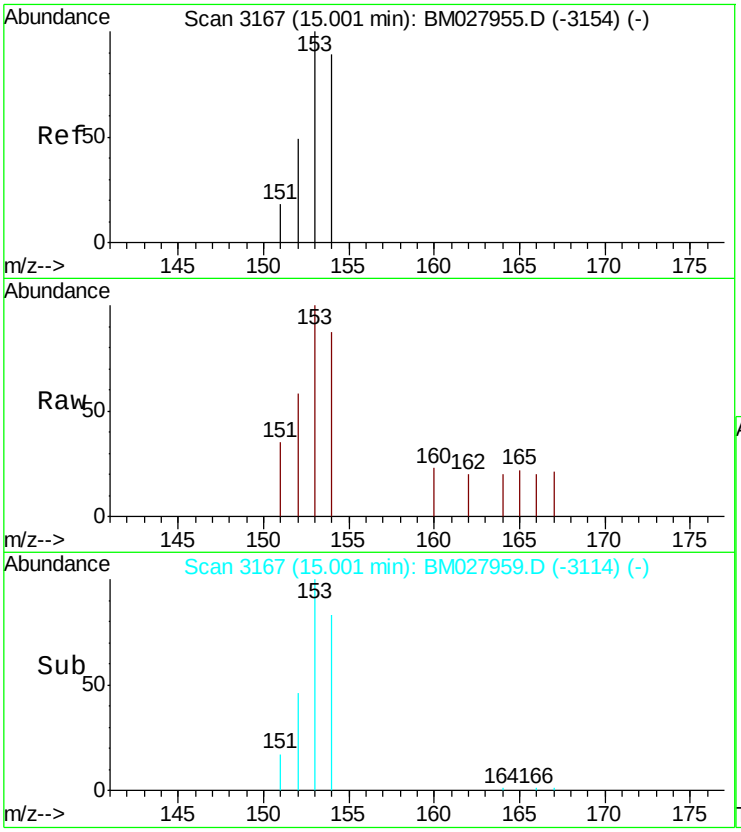
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112520\
Data File : BM027959.D
Acq On : 25 Nov 2020 12:21
Operator : JU/CG
Sample : L4751-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 13:04:56 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 : Wed Nov 25 10:43:32 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0B80DL

Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

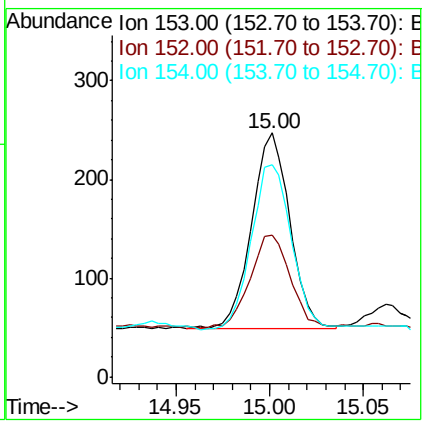




#8
Acenaphthene
Concen: 0.034 ng/ul
RT: 15.00 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

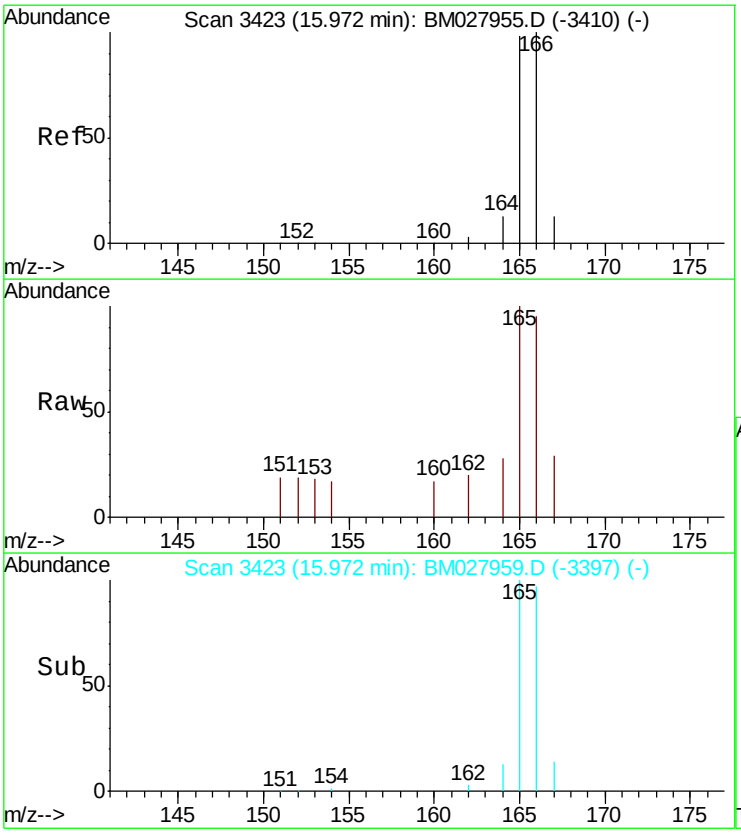
Tgt Ion:153 Resp: 282

Ion	Ratio	Lower	Upper
153	100		
152	58.3	39.0	58.6
154	87.0	71.6	107.4



Instrument :
BNA_M
ClientSampleId :
C0B80DL

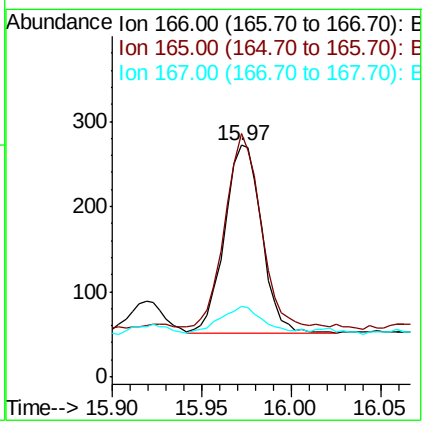
Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

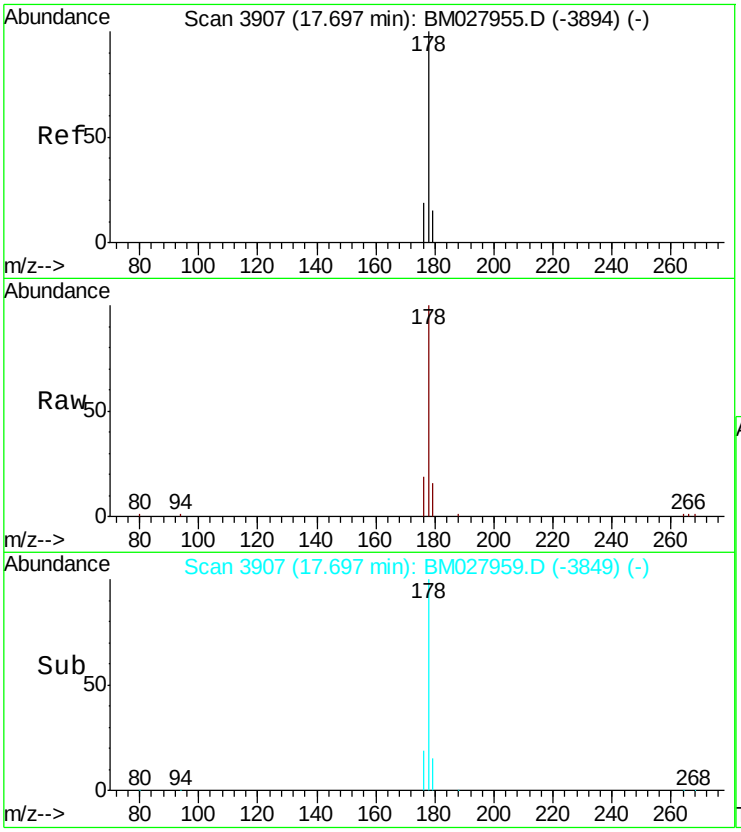


#9
Fluorene
Concen: 0.033 ng/ul
RT: 15.97 min Scan# 3423
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:166 Resp: 317

Ion	Ratio	Lower	Upper
166	100		
165	105.1	78.1	117.1
167	30.5	11.8	17.8#

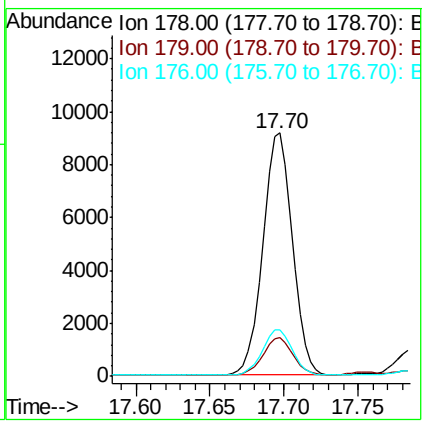




#12
Phenanthrene
Concen: 1.020 ng/ul
RT: 17.70 min Scan# 3907
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

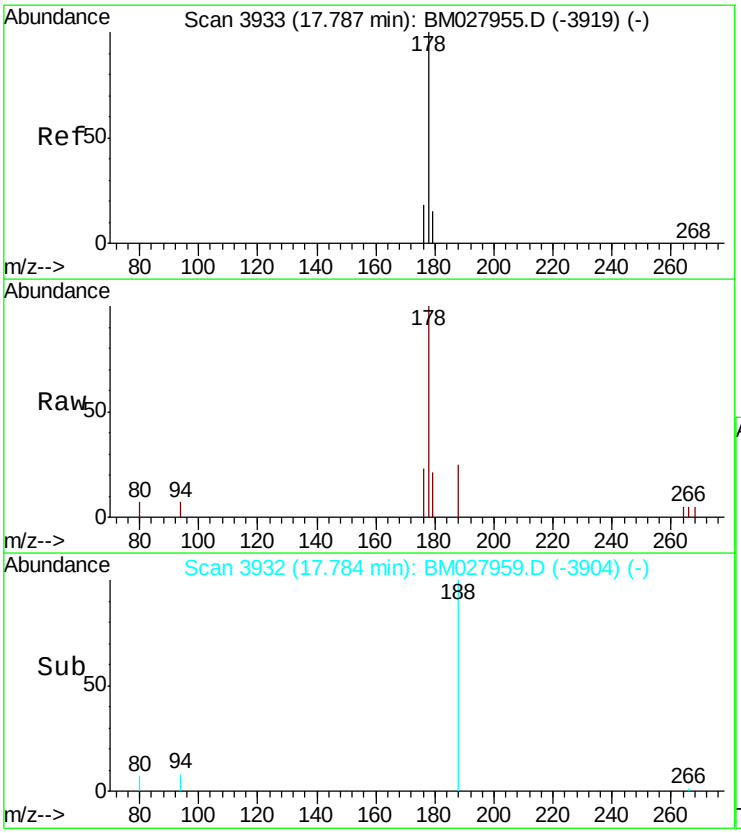
Tgt Ion:178 Resp: 12594

Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.6	20.4
176	19.0	16.1	24.1



Instrument :
BNA_M
ClientSampleId :
C0B80DL

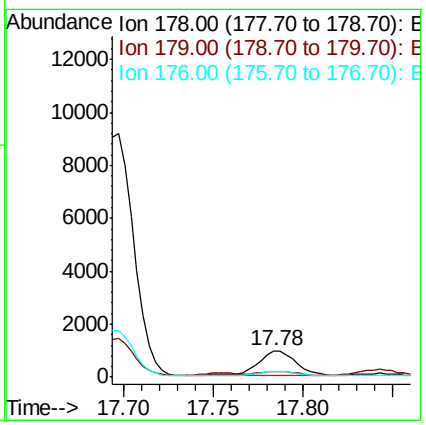
Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

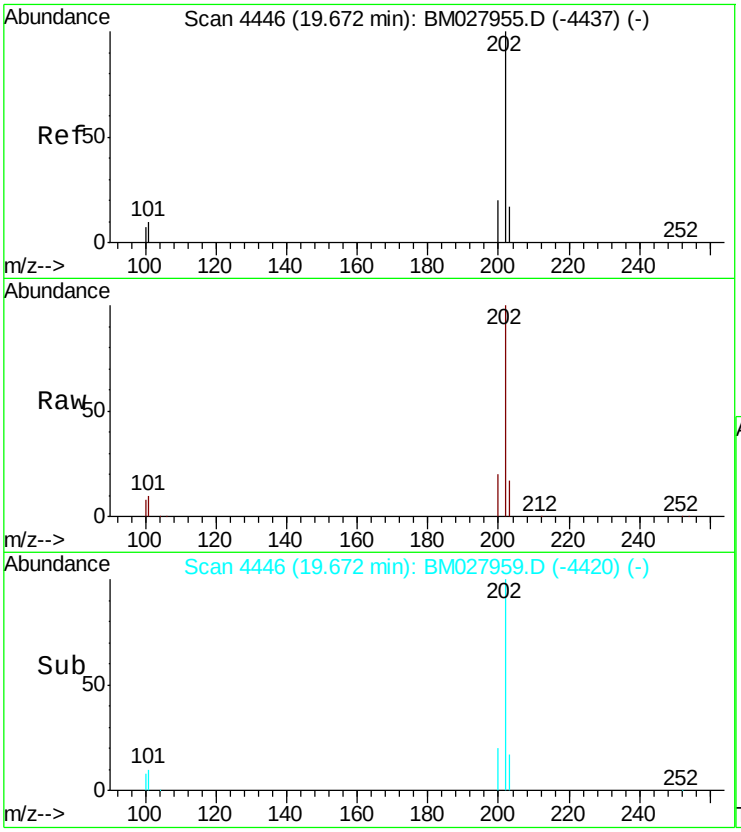


#13
Anthracene
Concen: 0.111 ng/ul
RT: 17.78 min Scan# 3932
Delta R.T. -0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:178 Resp: 1324

Ion	Ratio	Lower	Upper
178	100		
179	20.9	13.4	20.2#
176	22.8	15.0	22.6#

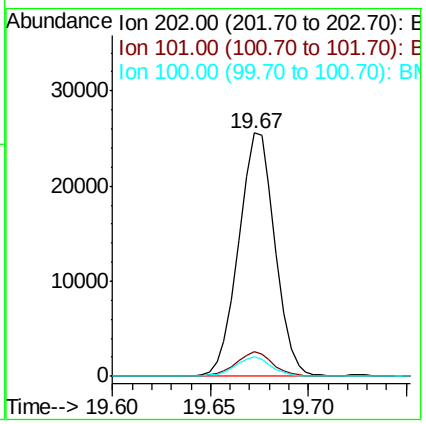




#15
Fluoranthene
Concen: 2.399 ng/ul
RT: 19.67 min Scan# 4446
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

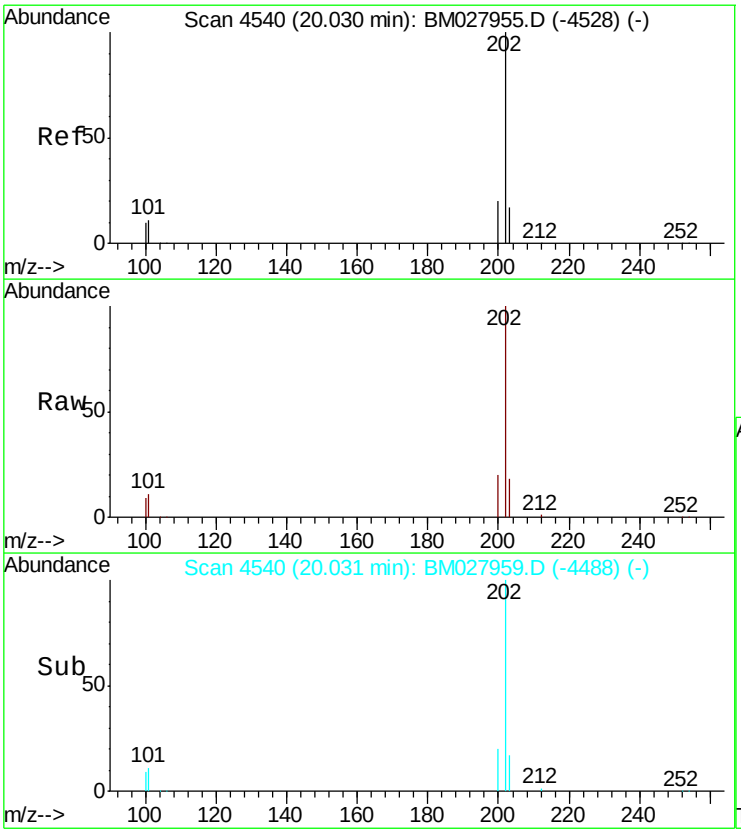
Tgt Ion:202 Resp: 32840

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.3
100	8.0	0.0	27.4



Instrument :
BNA_M
ClientSampleId :
C0B80DL

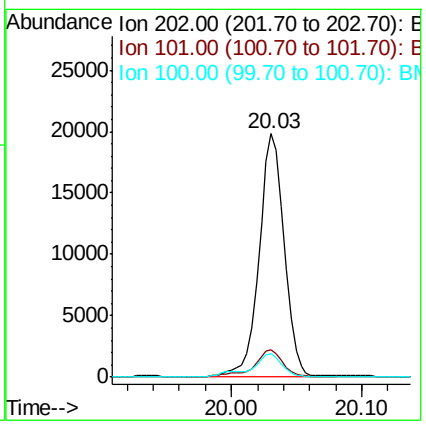
Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

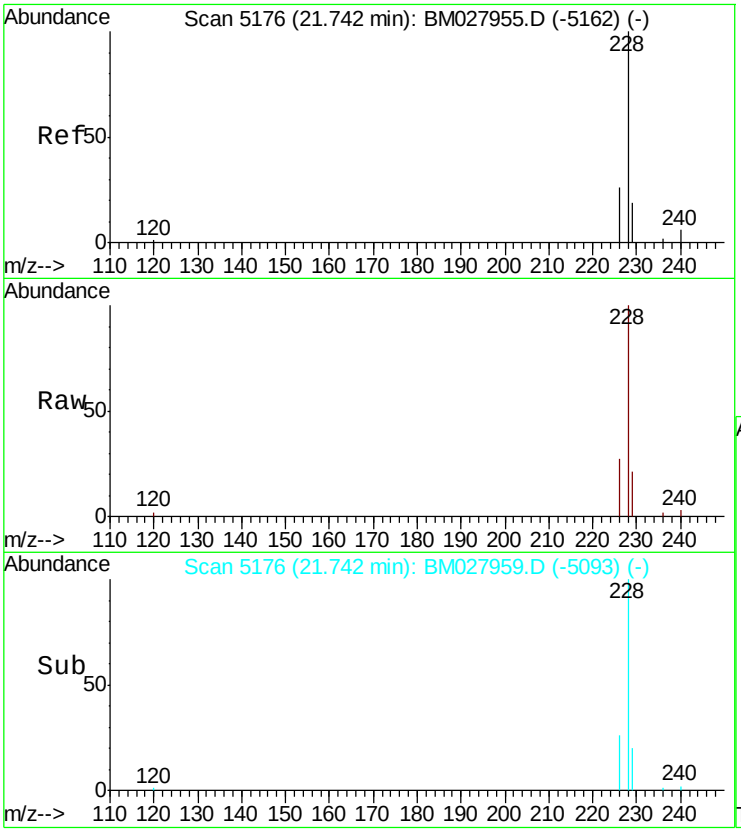


#17
Pyrene
Concen: 2.329 ng/ul
RT: 20.03 min Scan# 4540
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:202 Resp: 26360

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.2
100	9.4	6.9	10.3

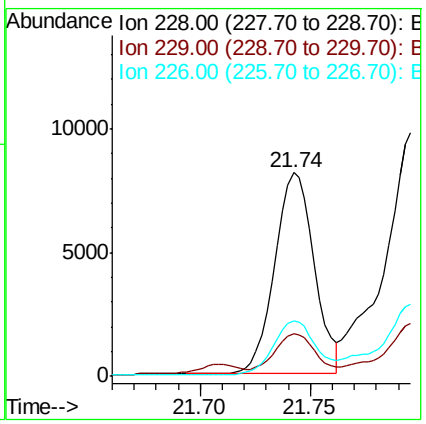




#18
Benzo(a)anthracene
Concen: 1.133 ng/ul
RT: 21.74 min Scan# 5176
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

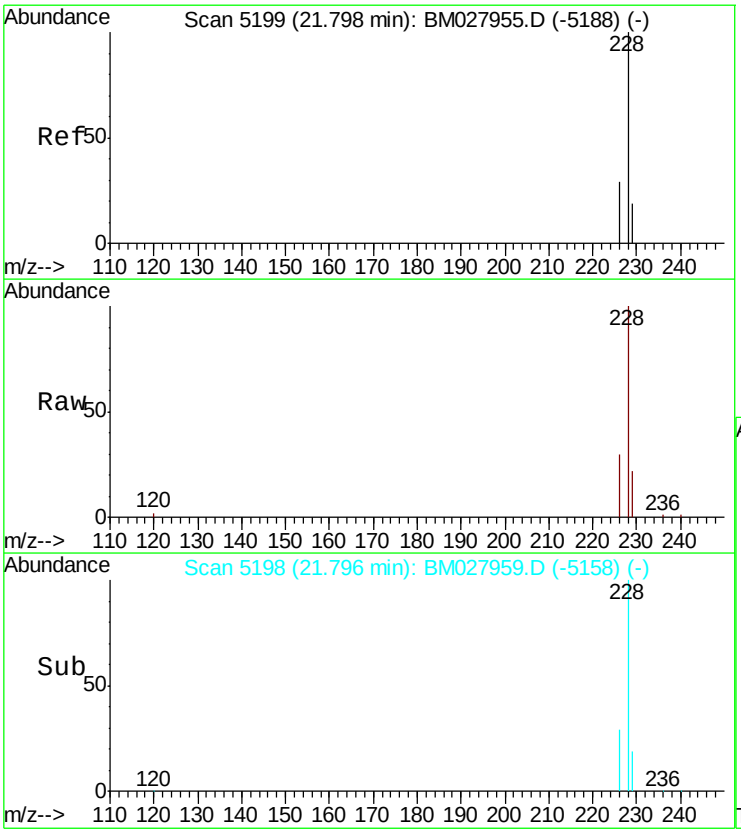
Tgt Ion:228 Resp: 10187

Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.2	24.4
226	27.1	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
C0B80DL

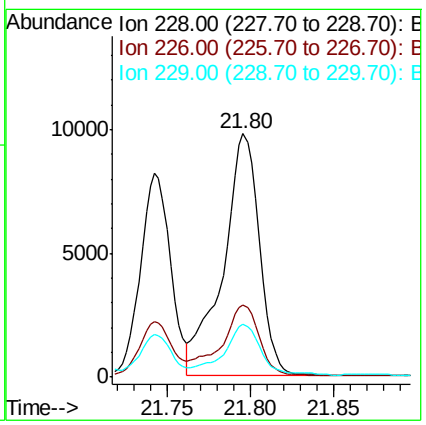
Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

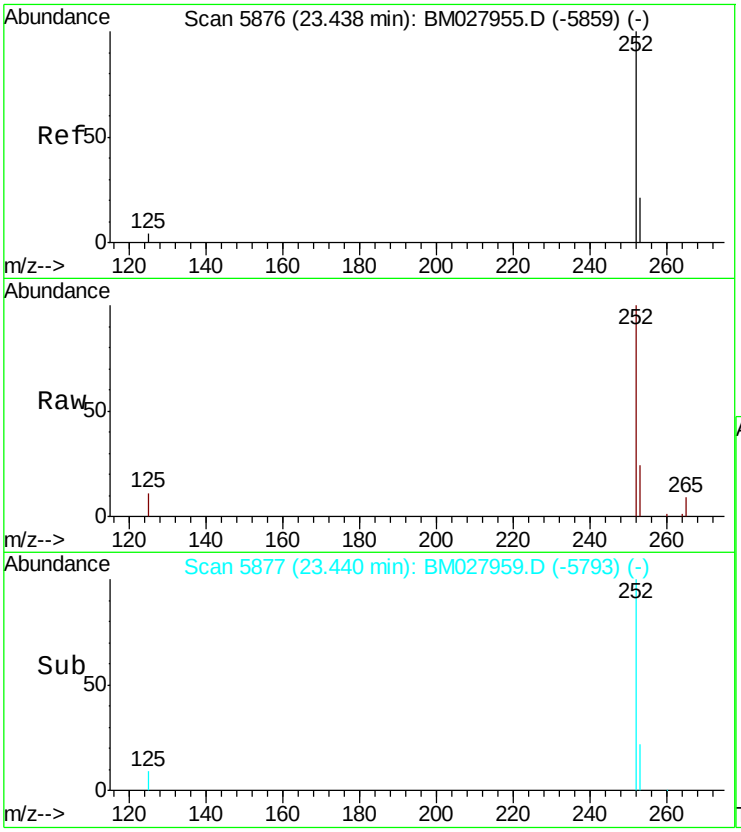


#19
Chrysene
Concen: 1.686 ng/ul
RT: 21.80 min Scan# 5198
Delta R.T. -0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:228 Resp: 14765

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.1	36.1
229	21.6	16.6	24.8





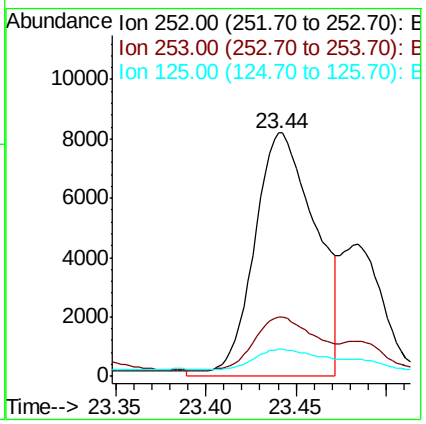
#21
Benzo(b)fluoranthene
Concen: 2.119 ng/ul m
RT: 23.44 min Scan# 5877
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

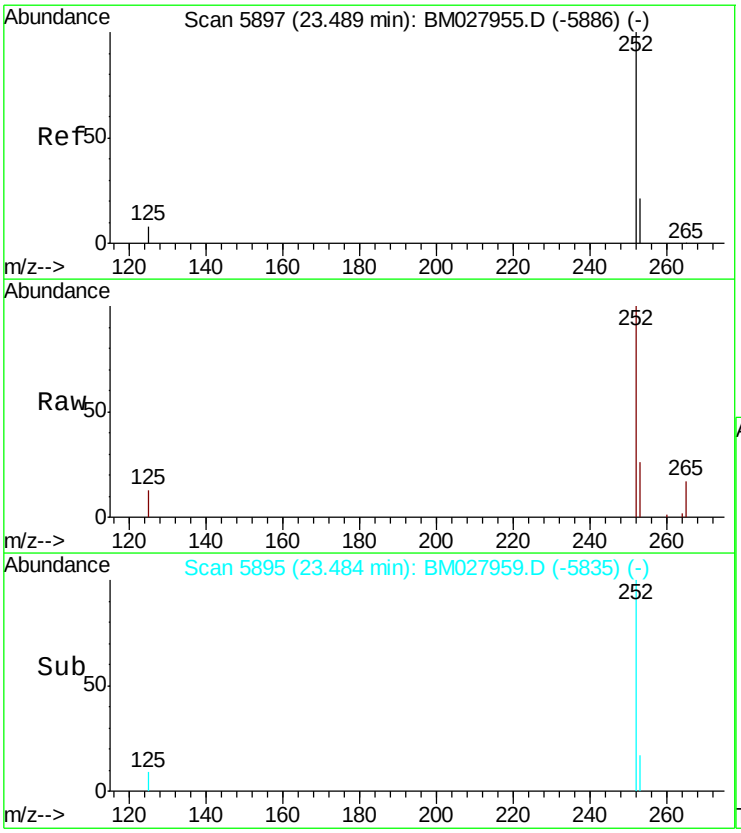
Tgt Ion:252 Resp: 19407

Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	59.6
125	11.1	0.0	28.4

Instrument :
BNA_M
ClientSampleId :
C0B80DL

Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

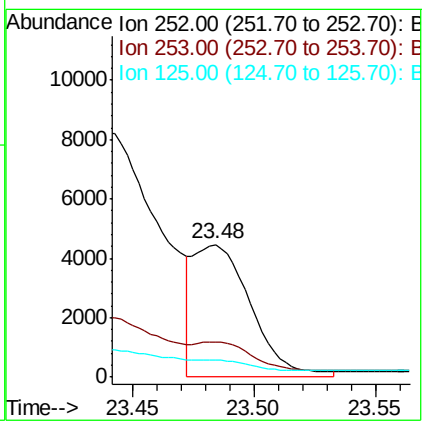


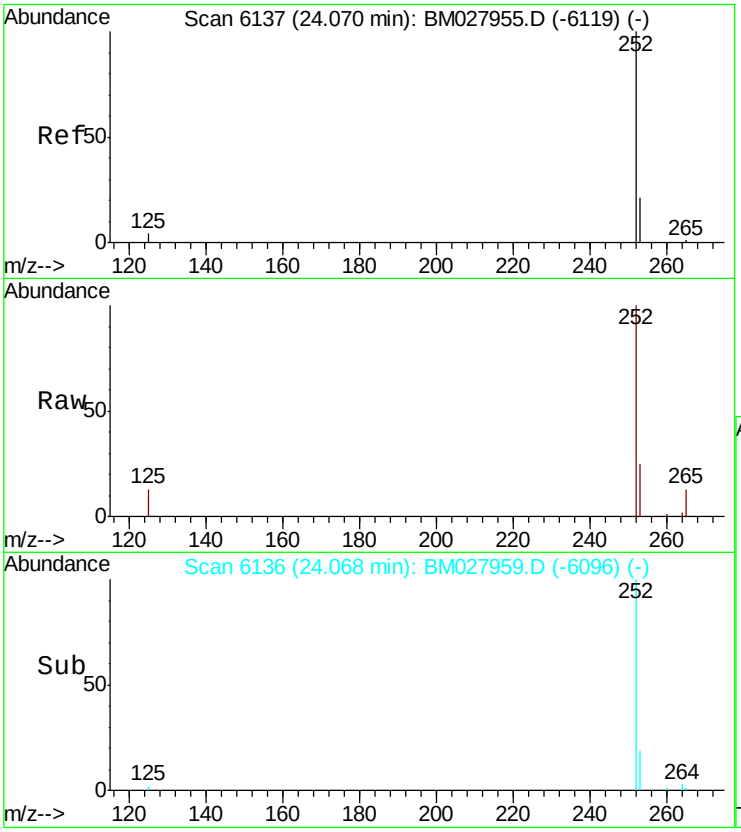


#22
Benzo(k)fluoranthene
Concen: 0.827 ng/ul m
RT: 23.48 min Scan# 5895
Delta R.T. -0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:252 Resp: 7413

Ion	Ratio	Lower	Upper
252	100		
253	26.4	23.2	34.8
125	13.3	11.8	17.6





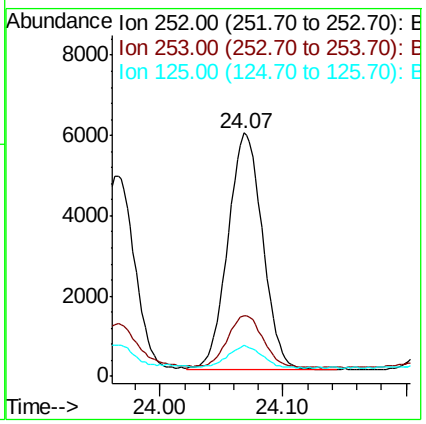
#23
Benzo(a)pyrene
Concen: 1.435 ng/ul
RT: 24.07 min Scan# 6136
Delta R.T. -0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

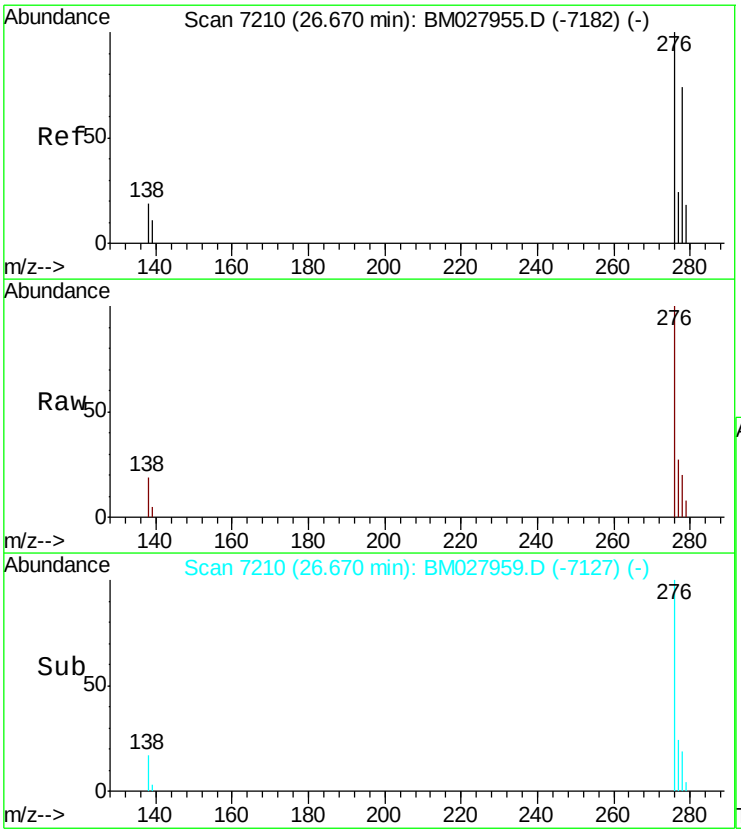
Tgt Ion:252 Resp: 11490

Ion	Ratio	Lower	Upper
252	100		
253	25.0	25.2	37.8#
125	12.7	13.8	20.6#

Instrument :
BNA_M
ClientSampleId :
C0B80DL

Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM

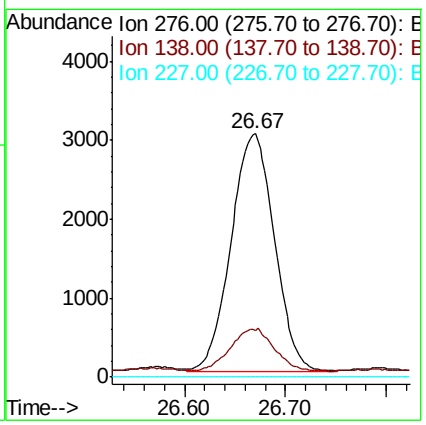


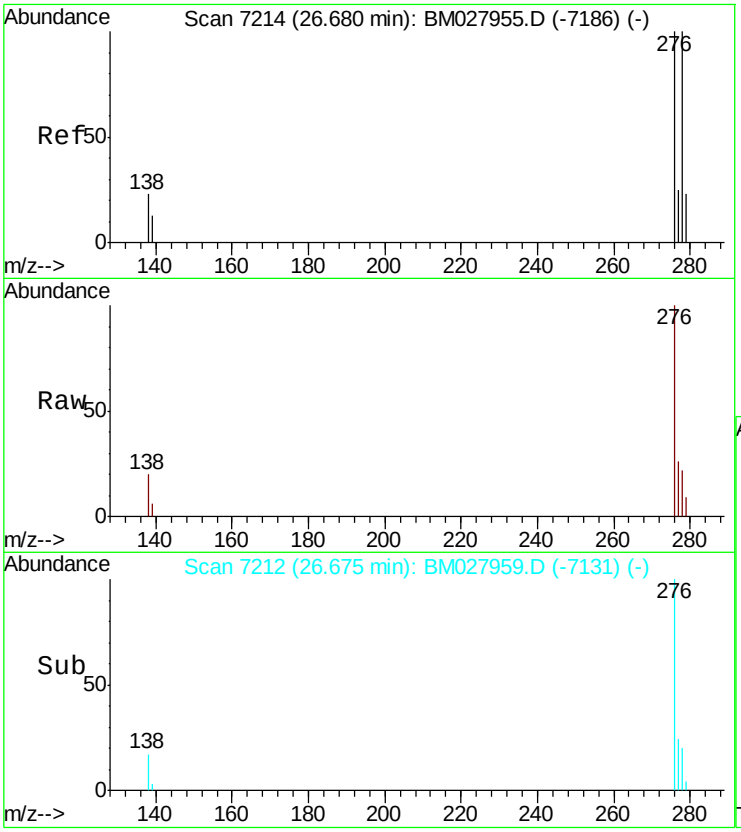


#24
Indeno(1,2,3-cd)pyrene
Concen: 1.034 ng/ul
RT: 26.67 min Scan# 7210
Delta R.T. 0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:276 Resp: 8967

Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.7	23.5
227	0.0	0.0	0.0





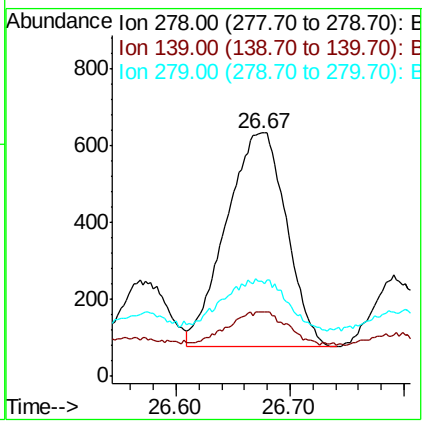
#25
Dibenzo(a,h)anthracene
Concen: 0.284 ng/ul
RT: 26.67 min Scan# 7212
Delta R.T. -0.00 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

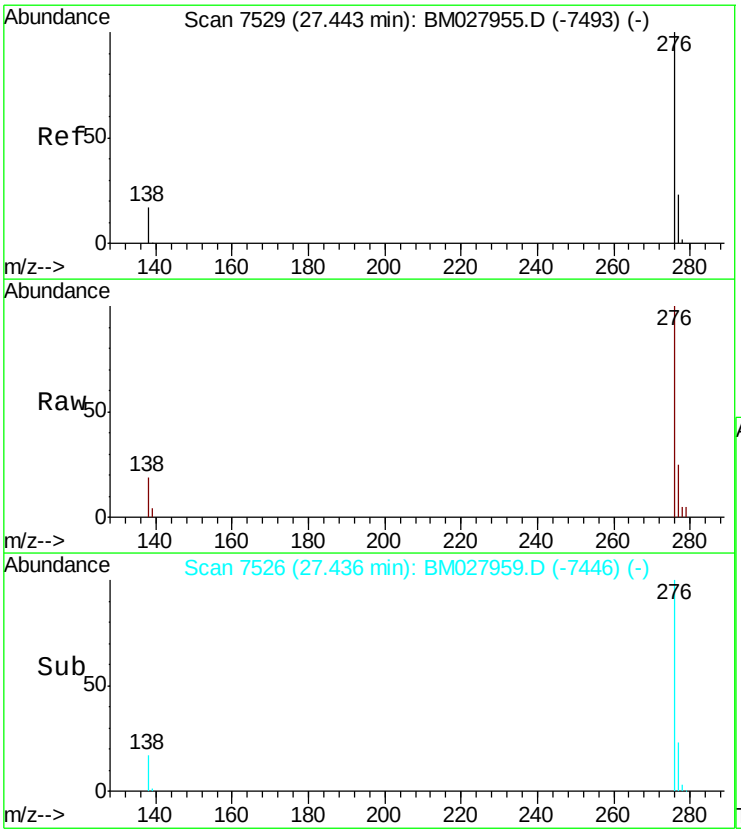
Tgt Ion:278 Resp: 2052

Ion	Ratio	Lower	Upper
278	100		
139	26.7	14.8	22.2#
279	39.0	25.8	38.6#

Instrument :
BNA_M
ClientSampleId :
C0B80DL

Manual Integrations APPROVED
mohammad
11/27/2020 11:43:17 AM





#26
Benzo(g,h,i)perylene
Concen: 1.117 ng/ul
RT: 27.44 min Scan# 7526
Delta R.T. -0.01 min
Lab File: BM027959.D
Acq: 25 Nov 2020 12:21

Tgt Ion:276 Resp: 8127

Ion	Ratio	Lower	Upper
276	100		
138	19.3	17.4	26.2
277	25.3	22.5	33.7