Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021873.D
Acq On : 07 Aug 2019 00:09
Operator : HP/JU
Sample : K3893-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 07 05:14:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 04:02:33 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP02

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	866	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.40	136	3590	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2064	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4859m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4770m	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	4815m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1155	0.20	ng/ul	-0.01
14) Fluoranthene-d10	19.07	212	3395m	0.21	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.46	128	344	0.034	ng/ul#	67
5) 2-Methylnaphthalene	12.10	142	221	0.033	ng/ul	95
7) Acenaphthylene	14.00	152	1259	0.131	ng/ul#	81
8) Acenaphthene	14.34	153	363	0.046	ng/ul	95
9) Fluorene	15.34	166	537	0.061	ng/ul#	96
12) Phenanthrene	17.08	178	8148	0.576	ng/ul	98
13) Anthracene	17.17	178	2119m	0.176	ng/ul	
15) Fluoranthene	19.10	202	27524m	1.453	ng/ul	
17) Pyrene	19.46	202	31817	1.623	ng/ul	99
18) Benzo(a)anthracene	21.22	228	19943	1.169	ng/ul	99
19) Chrysene	21.27	228	22058	1.005	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	27090m	1.668	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	9315m	0.507	ng/ul	
23) Benzo(a)pyrene	23.35	252	18962m	1.148	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.67	276	12901m	0.654	ng/ul	
25) Dibenzo(a,h)anthracene	25.67	278	3639m	0.228	ng/ul	
26) Benzo(g,h,i)perylene	26.35	276	11021m	0.621	ng/ul	

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

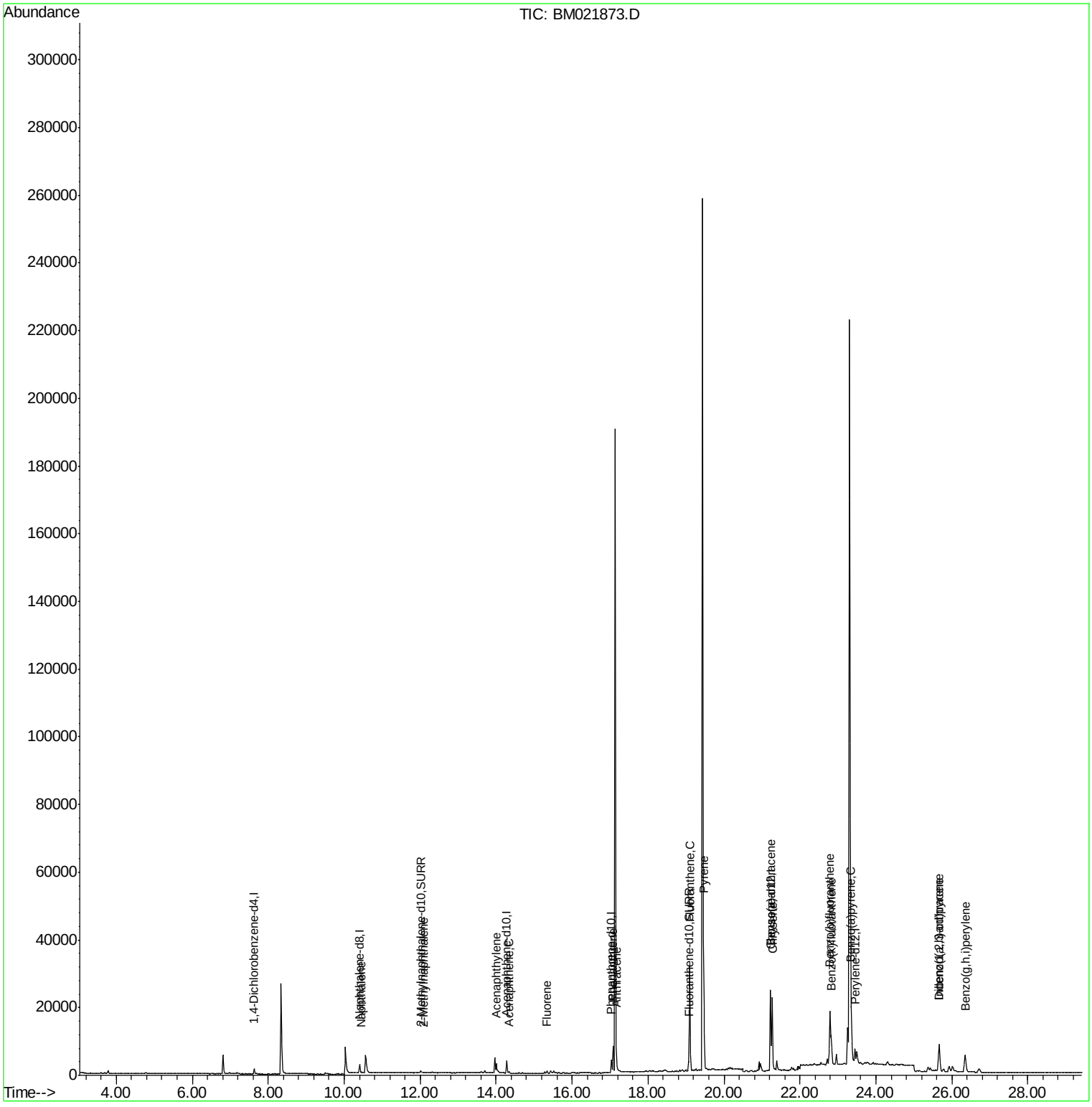
Quantitation Report (QT Reviewed)

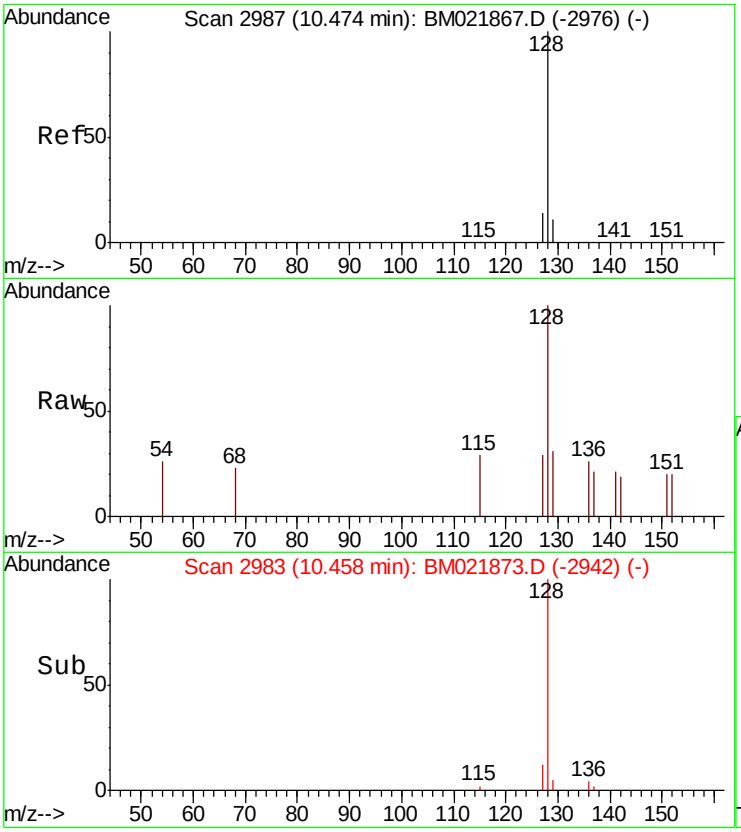
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021873.D
Acq On : 07 Aug 2019 00:09
Operator : HP/JU
Sample : K3893-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 07 05:14:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 04:02:33 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP02

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM





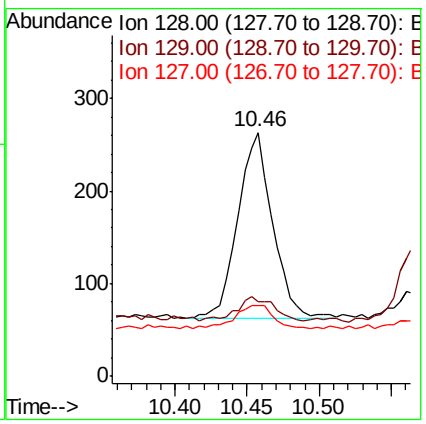
#3
Naphthalene
Concen: 0.034 ng/ul
RT: 10.46 min Scan# 2983
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

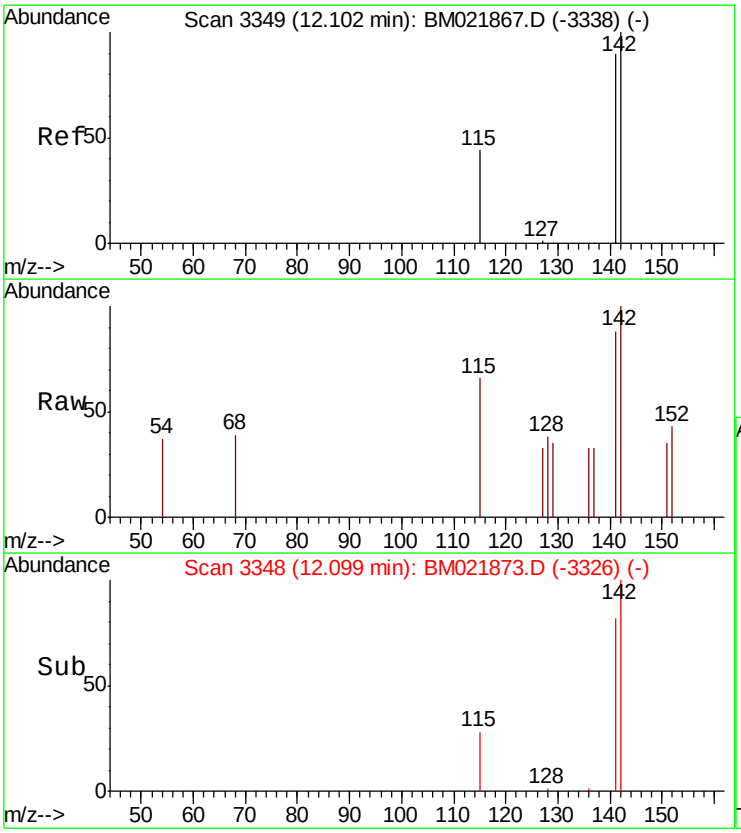
Tgt Ion:128 Resp: 344

Ion	Ratio	Lower	Upper
128	100		
129	30.8	12.3	18.5#
127	28.9	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
BEP02

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

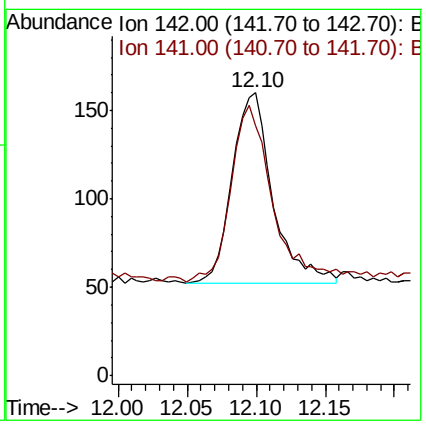


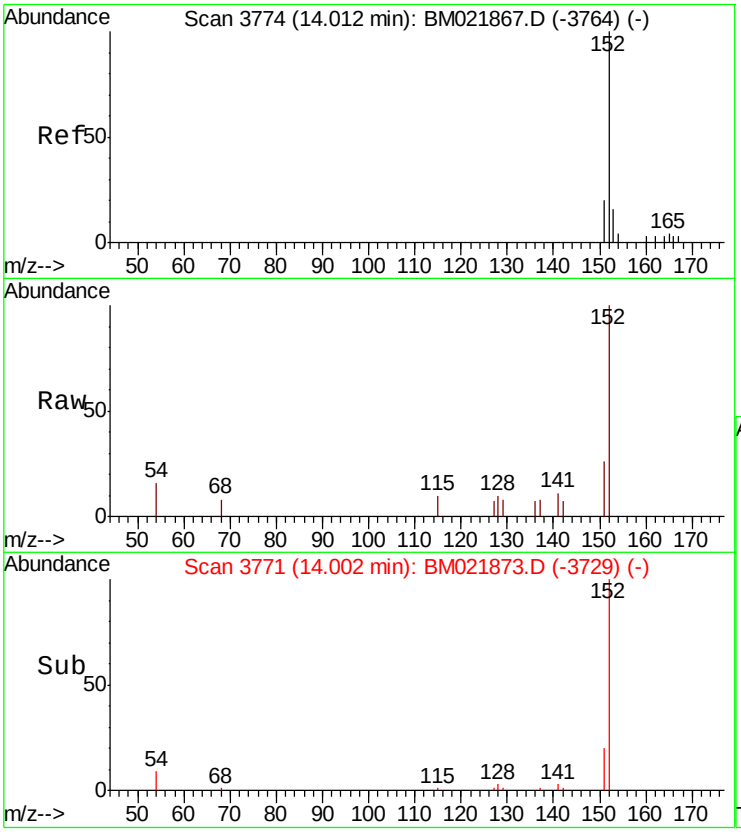


#5
2-Methylnaphthalene
Concen: 0.033 ng/ul
RT: 12.10 min Scan# 3348
Delta R.T. -0.00 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:142 Resp: 221

Ion	Ratio	Lower	Upper
142	100		
141	97.3	74.3	111.5

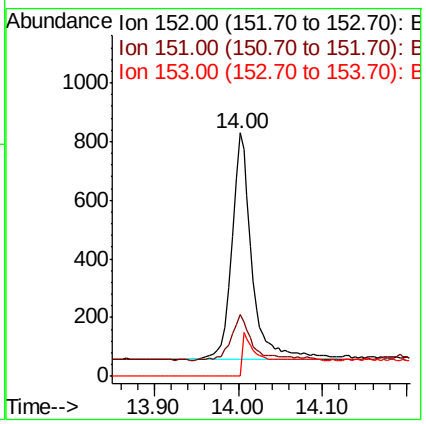




#7
Acenaphthylene
Concen: 0.131 ng/ul
RT: 14.00 min Scan# 3771
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

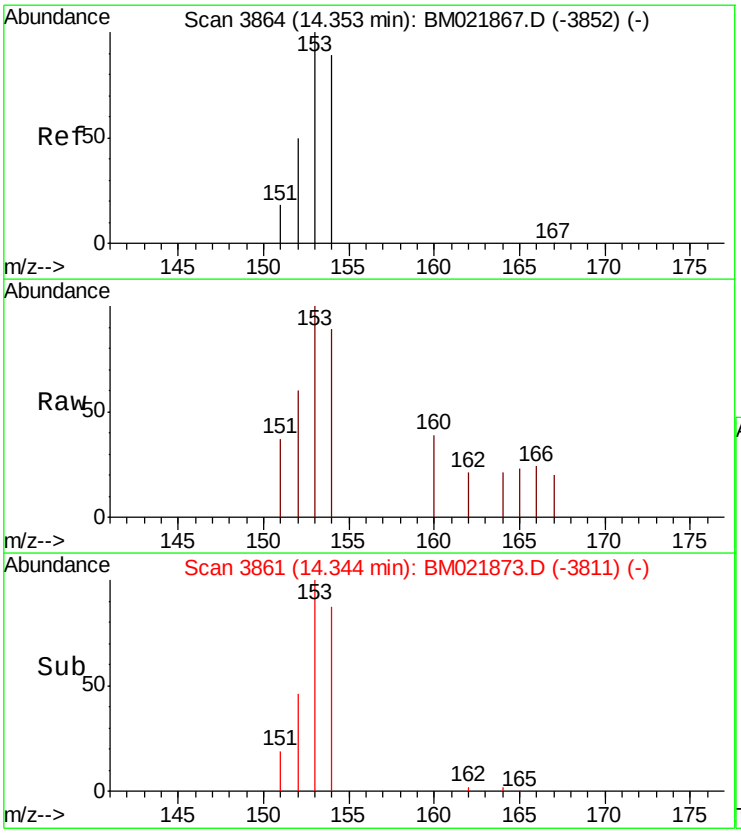
Tgt Ion:152 Resp: 1259

Ion	Ratio	Lower	Upper
152	100		
151	25.5	18.3	27.5
153	0.0	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
BEP02

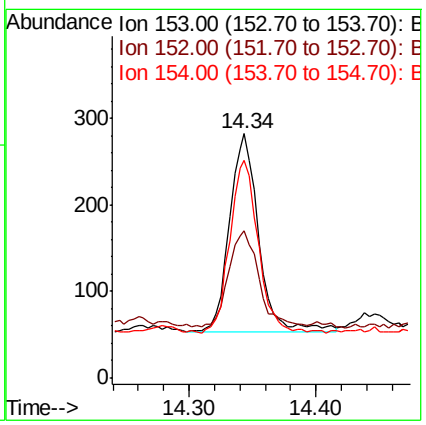
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

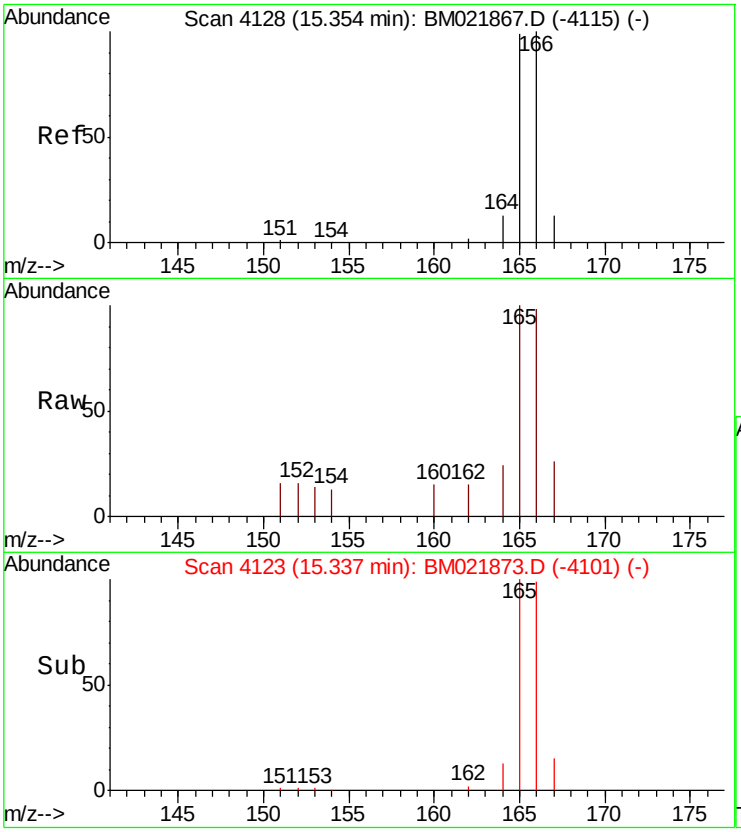


#8
Acenaphthene
Concen: 0.046 ng/ul
RT: 14.34 min Scan# 3861
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:153 Resp: 363

Ion	Ratio	Lower	Upper
153	100		
152	60.3	41.3	61.9
154	89.0	72.3	108.5

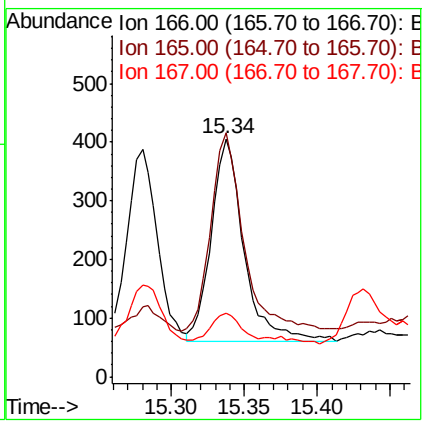




#9
Fluorene
Concen: 0.061 ng/ul
RT: 15.34 min Scan# 4123
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

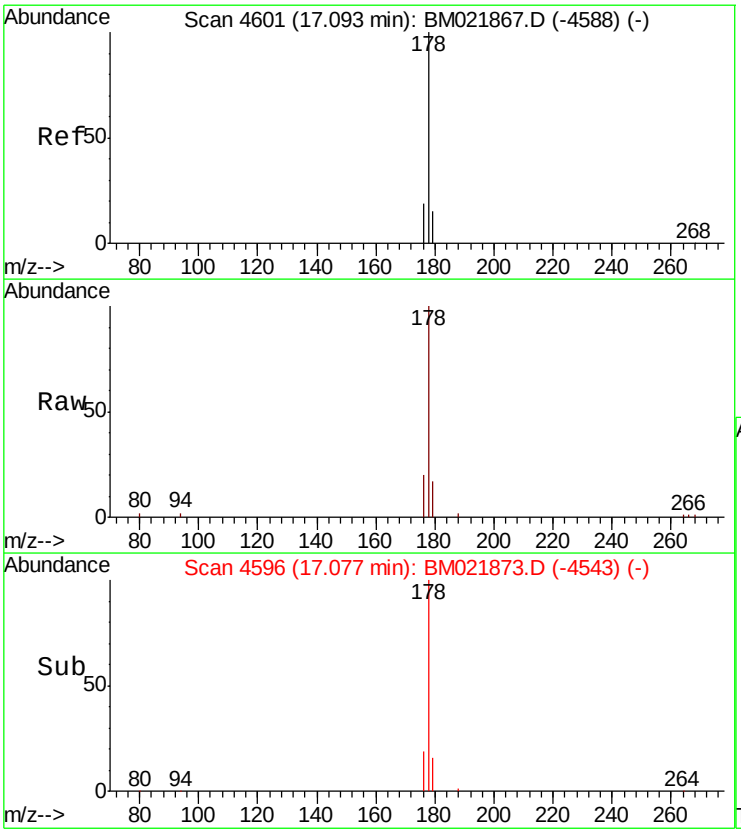
Tgt Ion:166 Resp: 537

Ion	Ratio	Lower	Upper
166	100		
165	102.5	81.4	122.0
167	26.6	13.7	20.5#



Instrument :
BNA_M
ClientSampleId :
BEP02

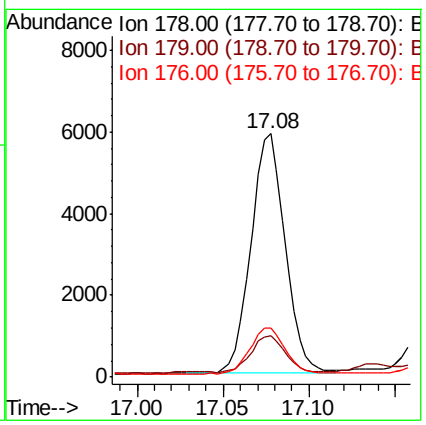
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

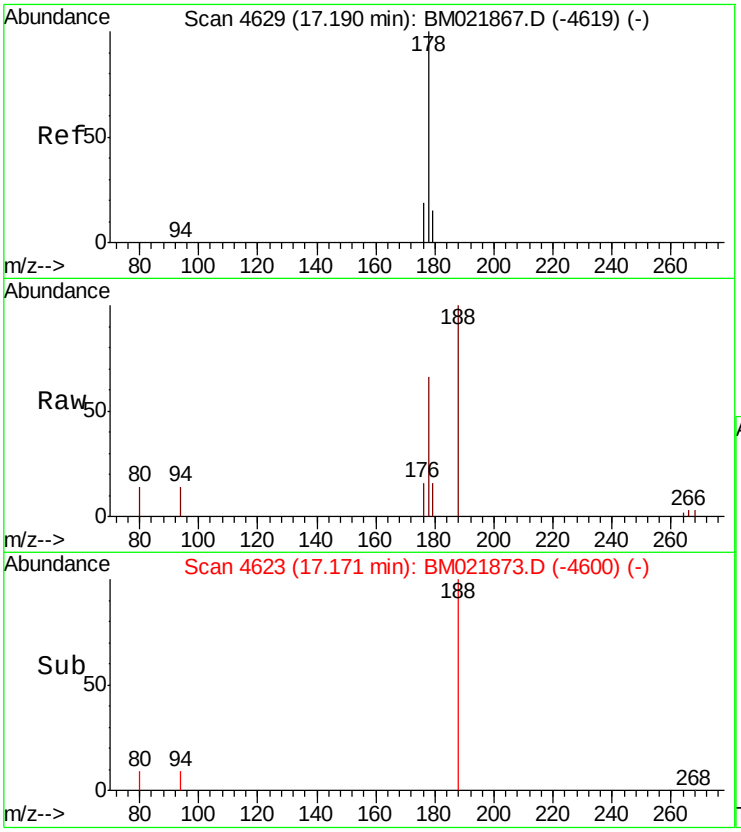


#12
Phenanthrene
Concen: 0.576 ng/ul
RT: 17.08 min Scan# 4596
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:178 Resp: 8148

Ion	Ratio	Lower	Upper
178	100		
179	17.0	14.2	21.2
176	20.3	16.8	25.2

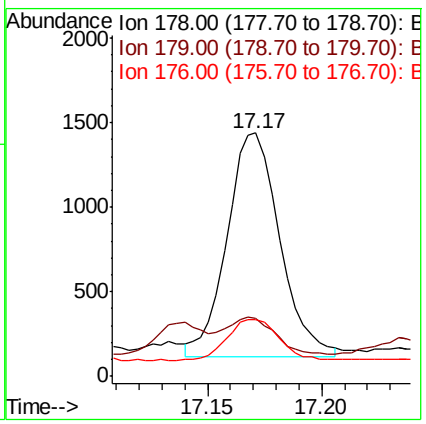




#13
Anthracene
Concen: 0.176 ng/ul m
RT: 17.17 min Scan# 4623
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

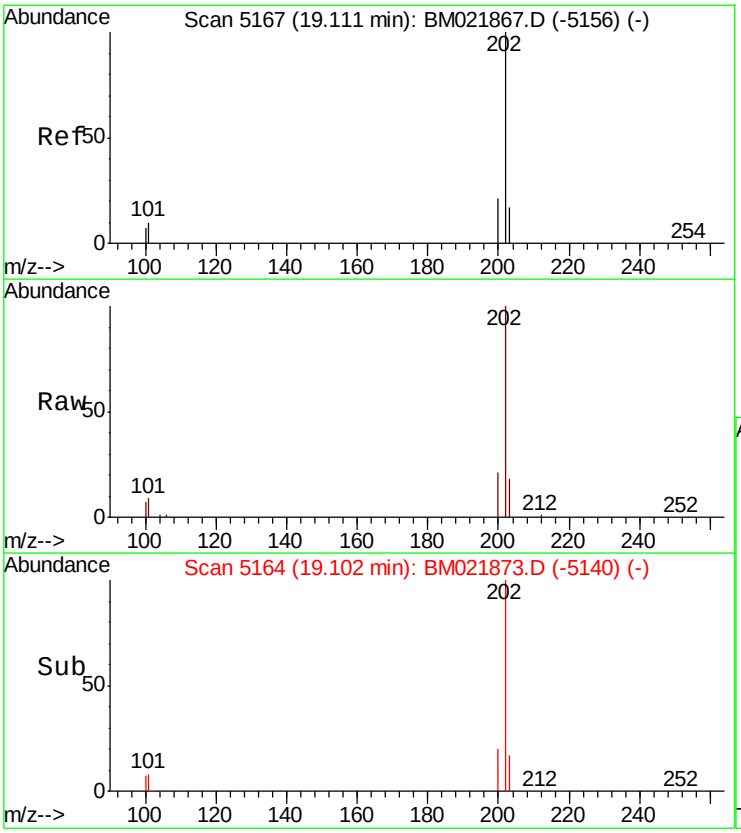
Tgt Ion:178 Resp: 2119

Ion	Ratio	Lower	Upper
178	100		
179	23.6	15.5	23.3#
176	23.6	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BEP02

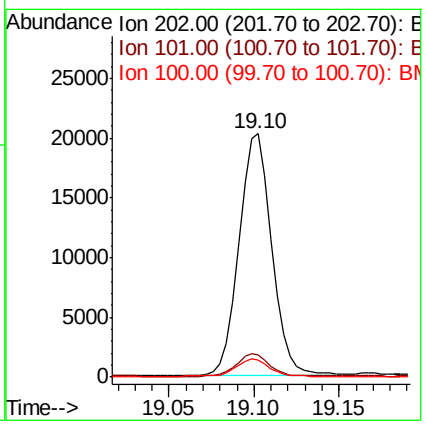
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

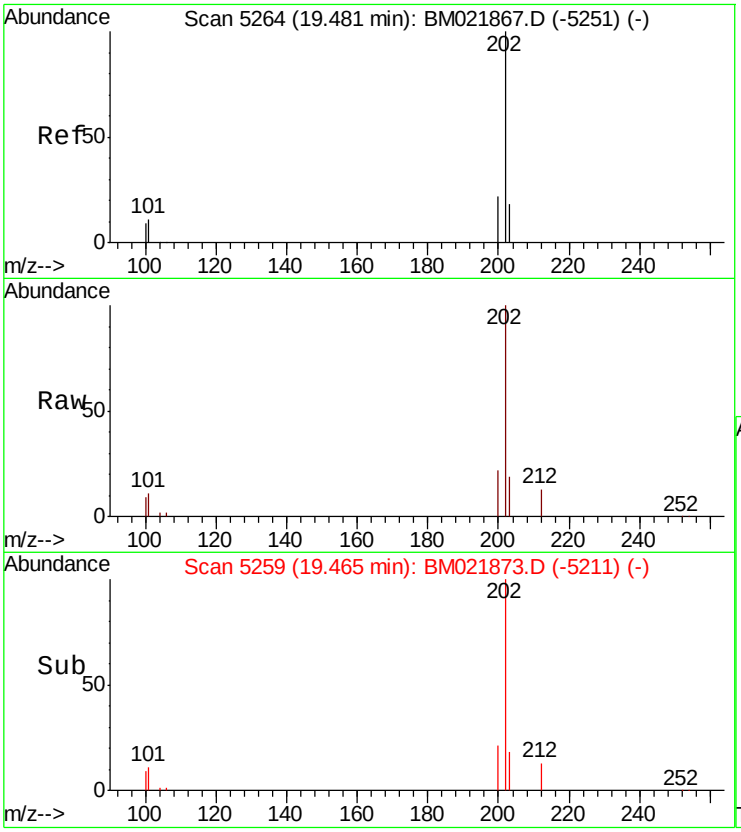


#15
Fluoranthene
Concen: 1.453 ng/ul m
RT: 19.10 min Scan# 5164
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:202 Resp: 27524

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.2
100	7.2	0.0	28.1

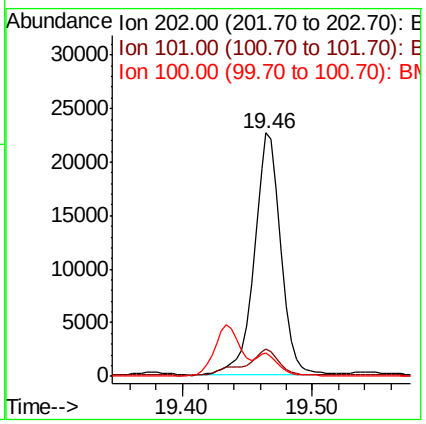




#17
Pyrene
Concen: 1.623 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

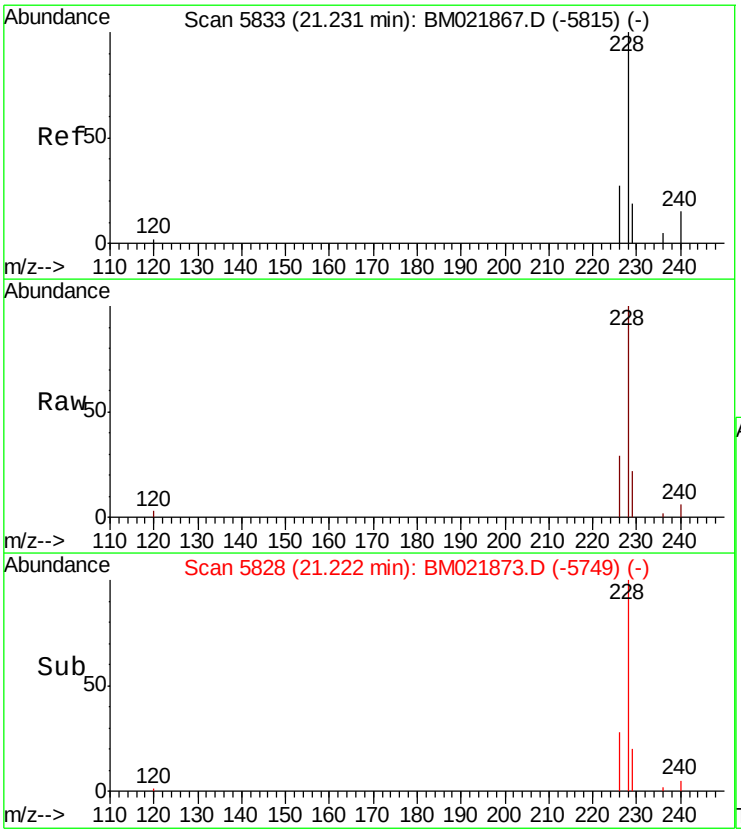
Tgt Ion:202 Resp: 31817

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.3	12.5
100	9.4	7.2	10.8



Instrument :
BNA_M
ClientSampleId :
BEP02

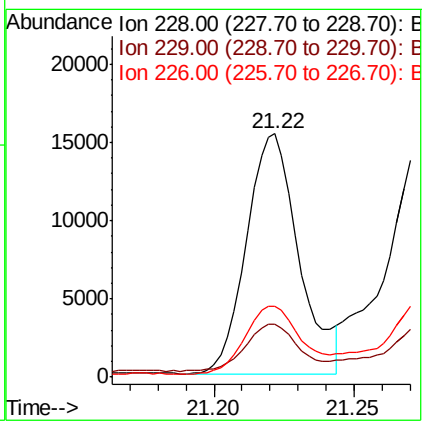
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

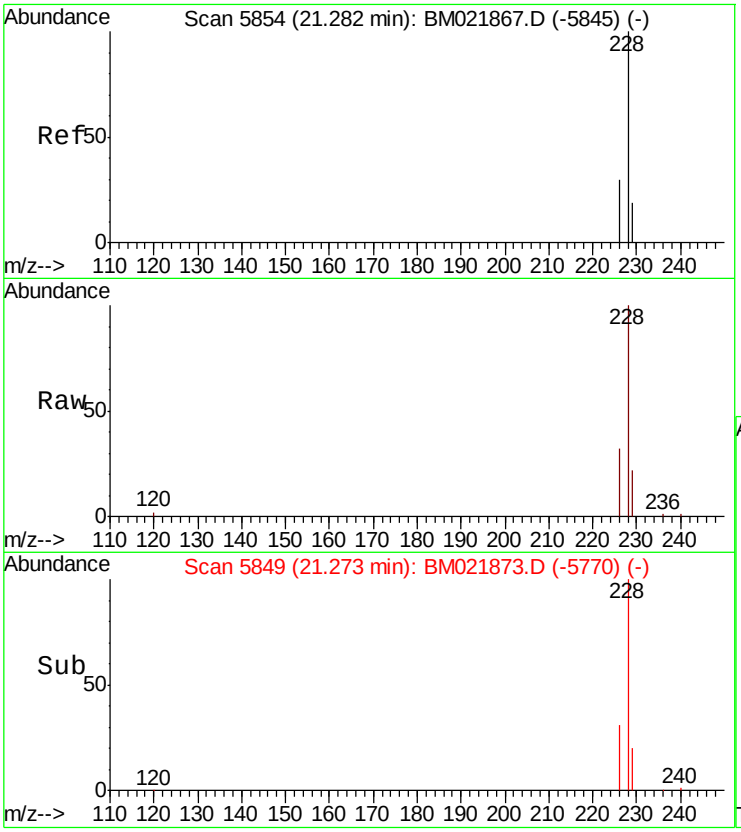


#18
Benzo(a)anthracene
Concen: 1.169 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:228 Resp: 19943

Ion	Ratio	Lower	Upper
228	100		
229	21.6	17.2	25.8
226	29.2	22.6	34.0

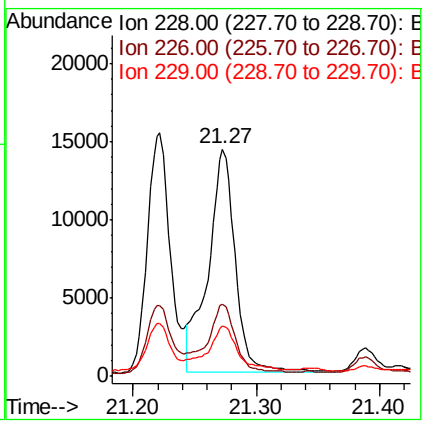




#19
Chrysene
Concen: 1.005 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

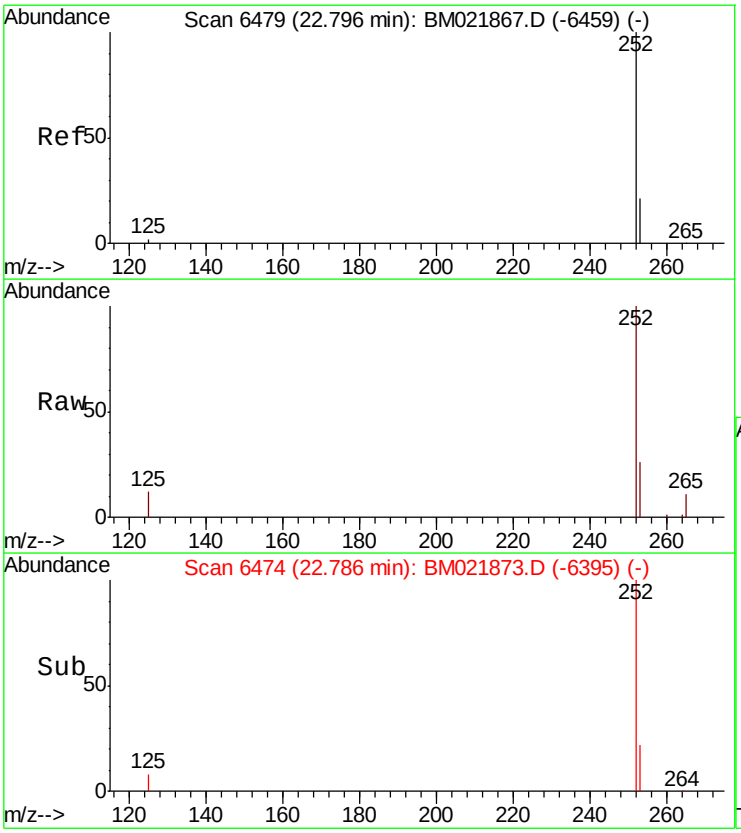
Tgt Ion:228 Resp: 22058

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	21.9	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BEP02

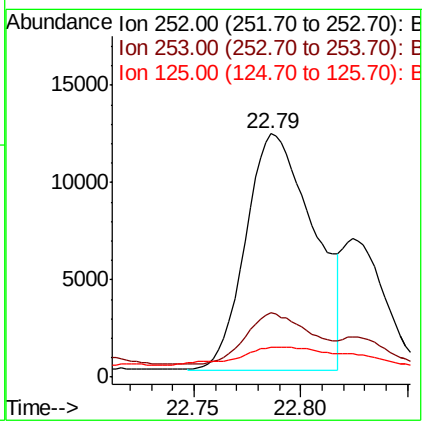
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

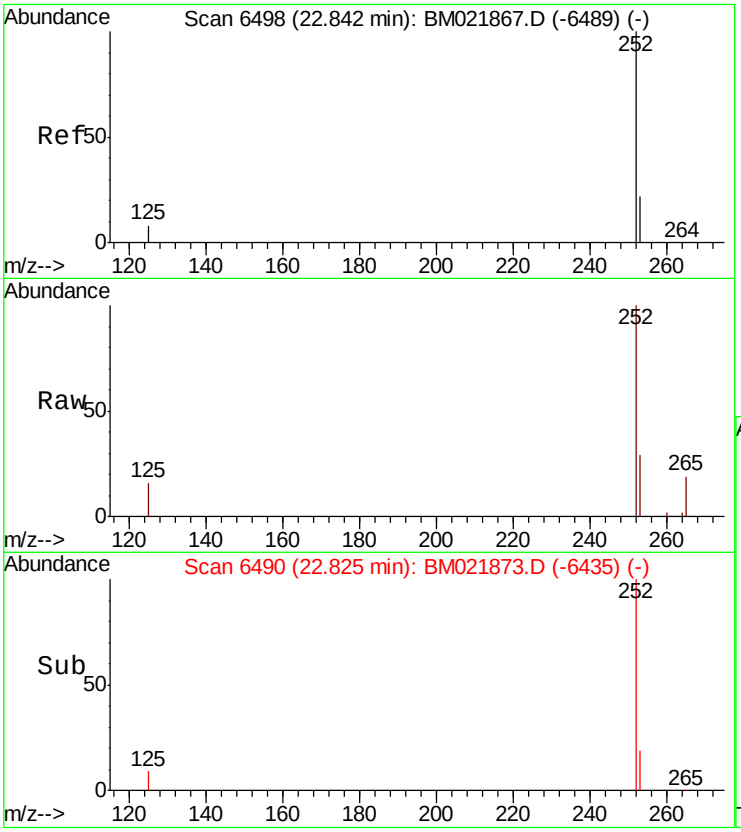


#21
Benzo(b)fluoranthene
Concen: 1.668 ng/ul m
RT: 22.79 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:252 Resp: 27090

Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.0	67.4
125	12.3	0.0	31.0

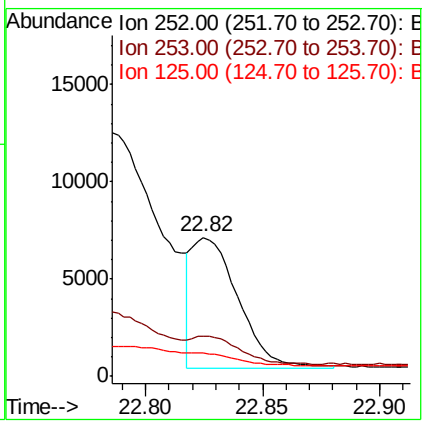




#22
Benzo(k)fluoranthene
Concen: 0.507 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

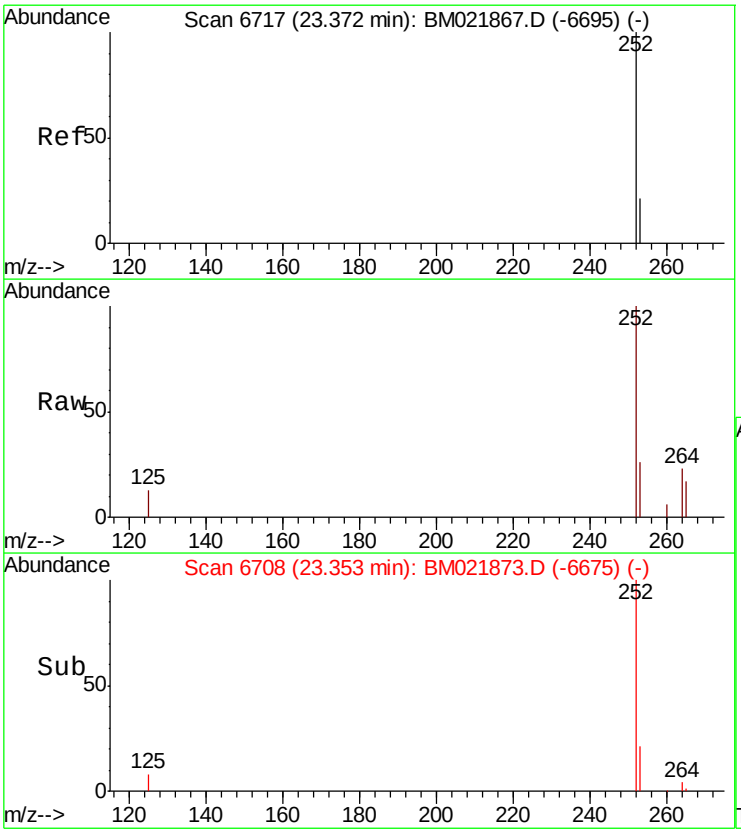
Tgt Ion:252 Resp: 9315

Ion	Ratio	Lower	Upper
252	100		
253	28.6	27.0	40.4
125	16.5	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
BEP02

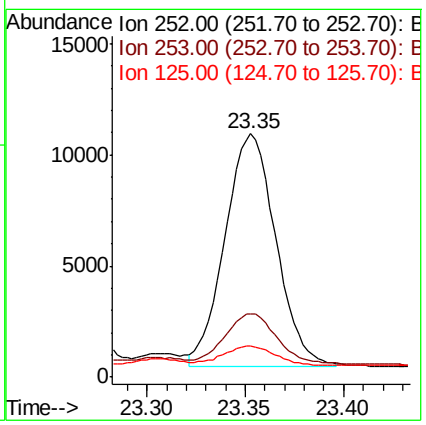
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

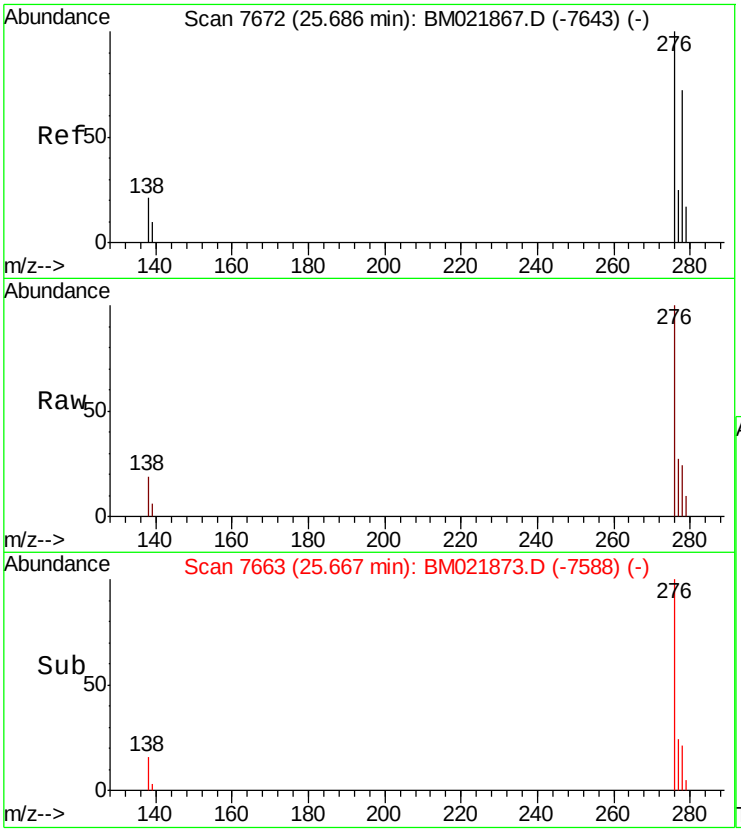


#23
Benzo(a)pyrene
Concen: 1.148 ng/ul m
RT: 23.35 min Scan# 6708
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:252 Resp: 18962

Ion	Ratio	Lower	Upper
252	100		
253	25.9	31.7	47.5#
125	12.8	14.6	21.8#

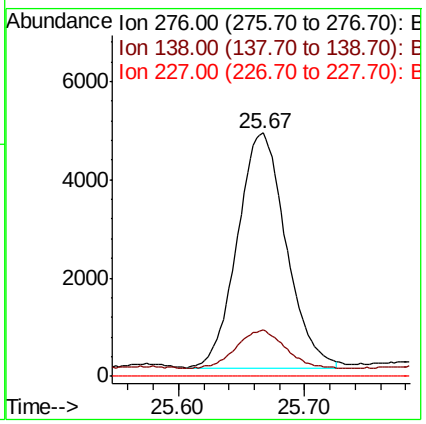




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.654 ng/ul m
RT: 25.67 min Scan# 7663
Delta R.T. -0.02 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

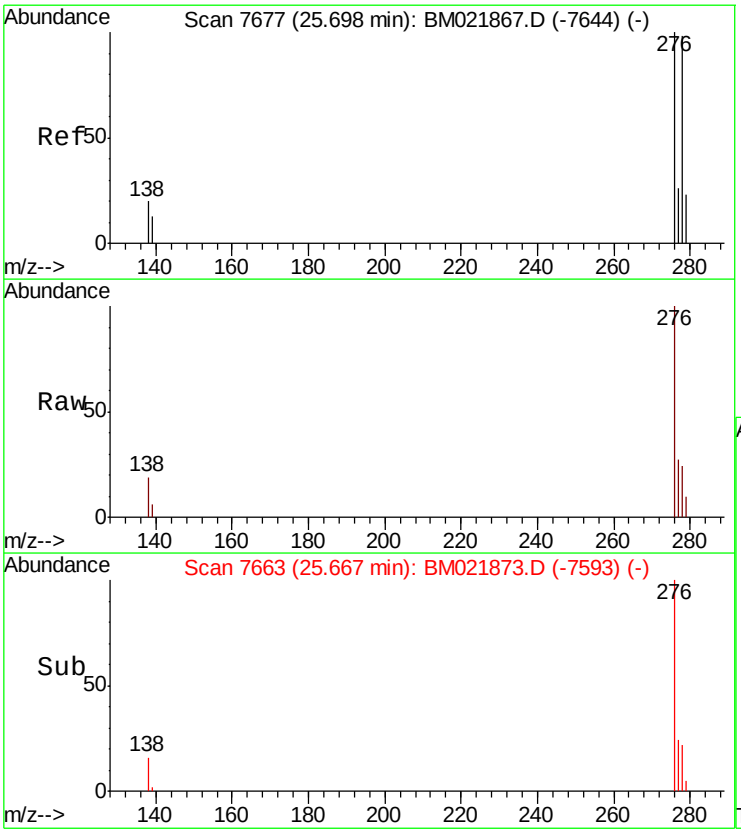
Tgt Ion:276 Resp: 12901

Ion	Ratio	Lower	Upper
276	100		
138	1.5	15.1	22.7#
227	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
BEP02

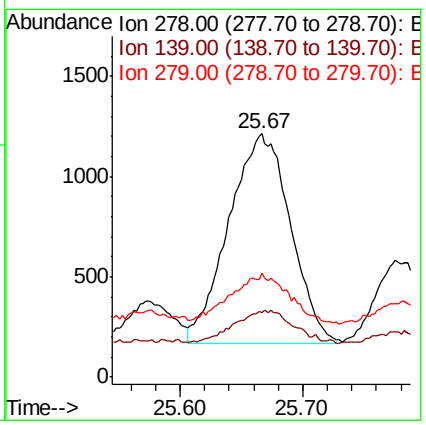
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM

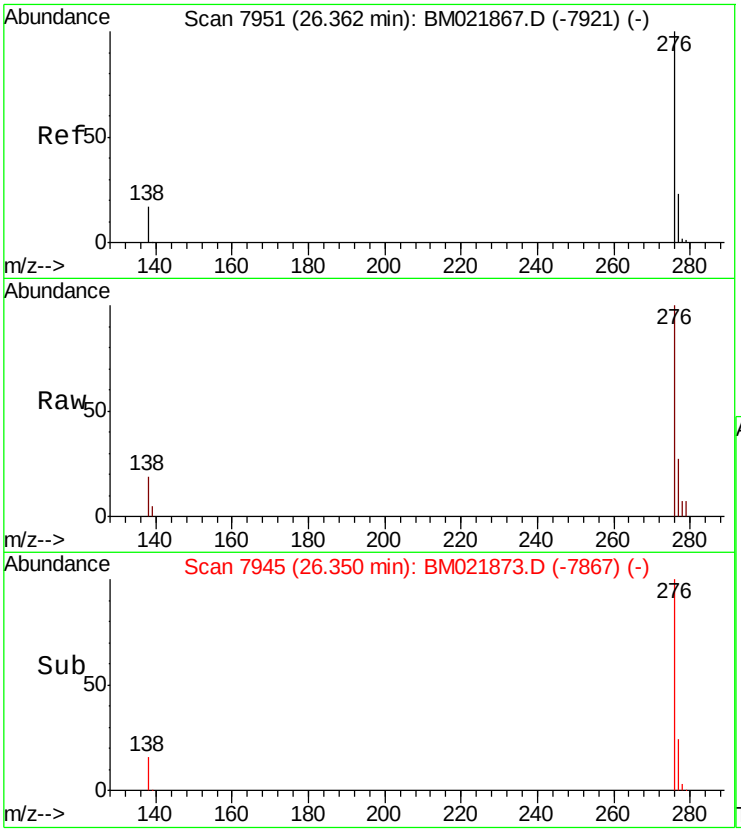


#25
Dibenzo(a,h)anthracene
Concen: 0.228 ng/ul m
RT: 25.67 min Scan# 7663
Delta R.T. -0.03 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:278 Resp: 3639

Ion	Ratio	Lower	Upper
278	100		
139	26.4	14.2	21.2#
279	42.7	28.3	42.5#

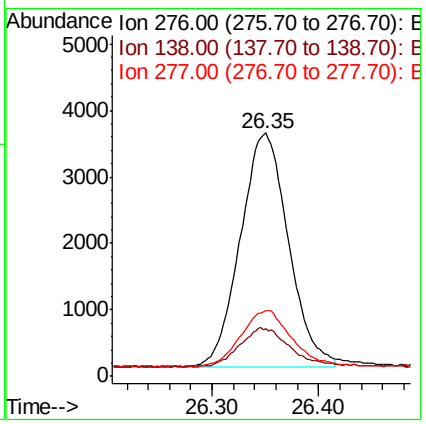




#26
Benzo(g,h,i)perylene
Concen: 0.621 ng/ul m
RT: 26.35 min Scan# 7945
Delta R.T. -0.01 min
Lab File: BM021873.D
Acq: 07 Aug 2019 00:09

Tgt Ion:276 Resp: 11021

Ion	Ratio	Lower	Upper
276	100		
138	19.4	15.5	23.3
277	26.9	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
BEP02

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:26 PM