Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021907.D
Acq On : 07 Aug 2019 21:56
Operator : HP/JU
Sample : K3893-12DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

Quant Time: Aug 08 05:37:45 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	790	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3358	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	1978	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4820m	0.40	ng/ul	-0.01
16) Chrysene-d12	21.23	240	4537m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	4926m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	276	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	852m	0.05	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.46	128	778	0.082	ng/ul#	83
5) 2-Methylnaphthalene	12.09	142	511	0.081	ng/ul	98
7) Acenaphthylene	14.00	152	2900	0.314	ng/ul#	84
8) Acenaphthene	14.34	153	520	0.069	ng/ul	95
9) Fluorene	15.34	166	785	0.094	ng/ul#	97
12) Phenanthrene	17.08	178	14816m	1.056	ng/ul	
13) Anthracene	17.17	178	4283m	0.358	ng/ul	
15) Fluoranthene	19.10	202	43703m	2.326	ng/ul	
17) Pyrene	19.46	202	35613	1.910	ng/ul	99
18) Benzo(a)anthracene	21.22	228	22398	1.380	ng/ul	97
19) Chrysene	21.27	228	23360	1.119	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	33684m	2.028	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	12083m	0.643	ng/ul	
23) Benzo(a)pyrene	23.35	252	21618	1.280	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.66	276	17781	0.882	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.67	278	4526	0.278	ng/ul#	85
26) Benzo(g,h,i)perylene	26.34	276	15015	0.827	ng/ul	99

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

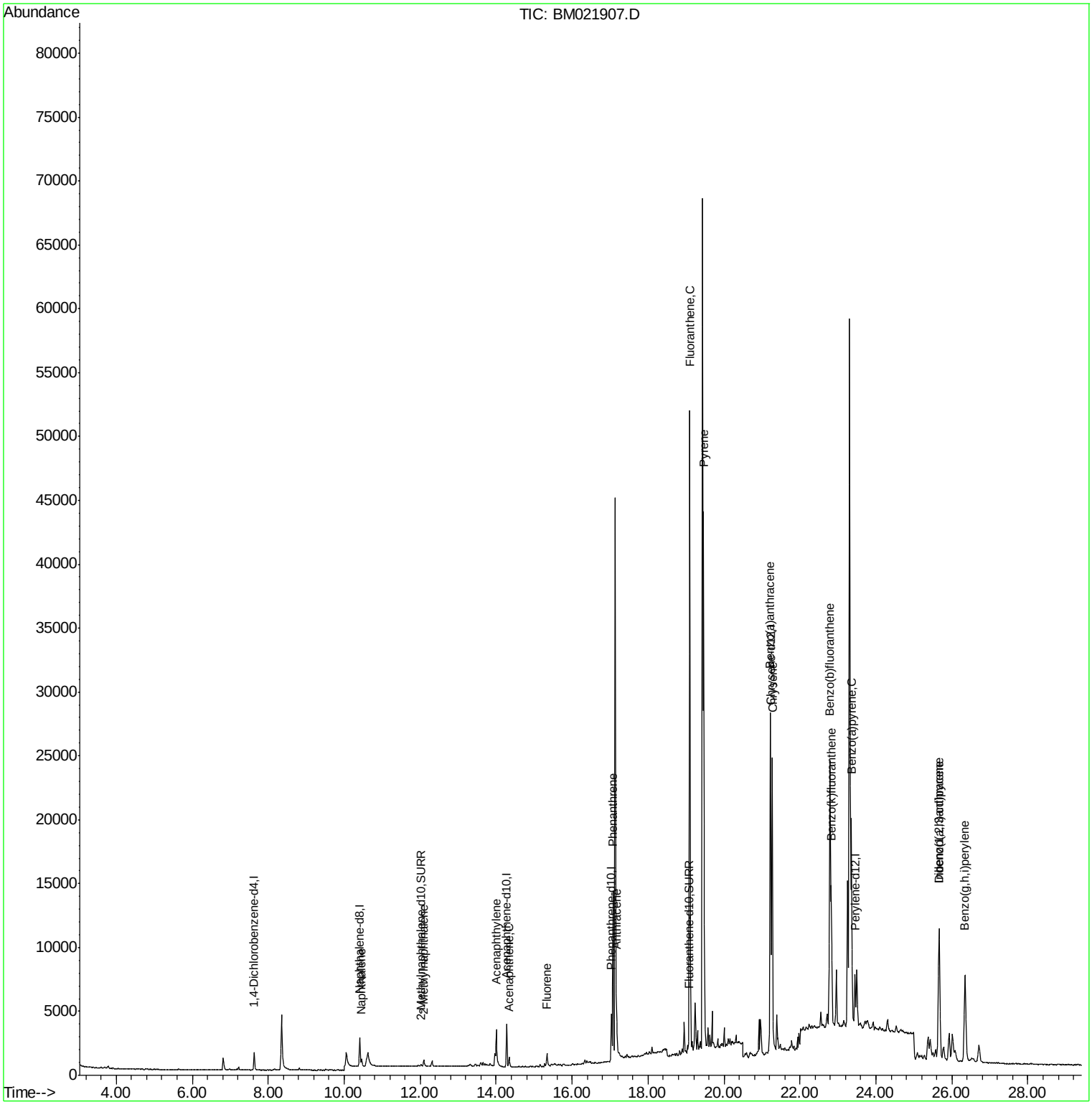
Quantitation Report (QT Reviewed)

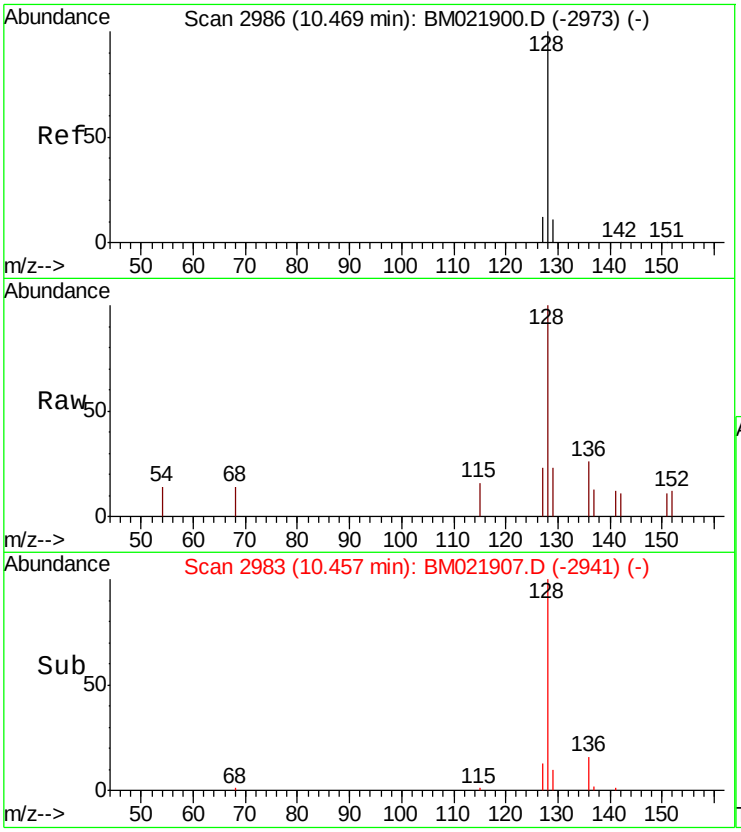
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021907.D
Acq On : 07 Aug 2019 21:56
Operator : HP/JU
Sample : K3893-12DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 08 05:37:45 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM





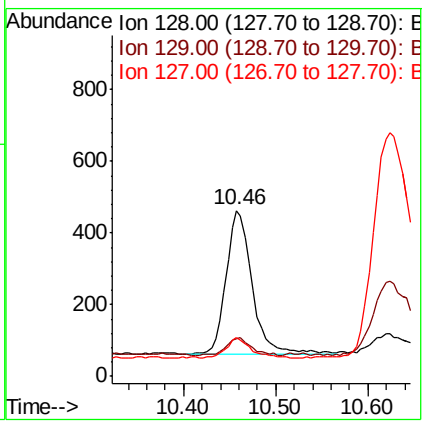
#3
Naphthalene
Concen: 0.082 ng/ul
RT: 10.46 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

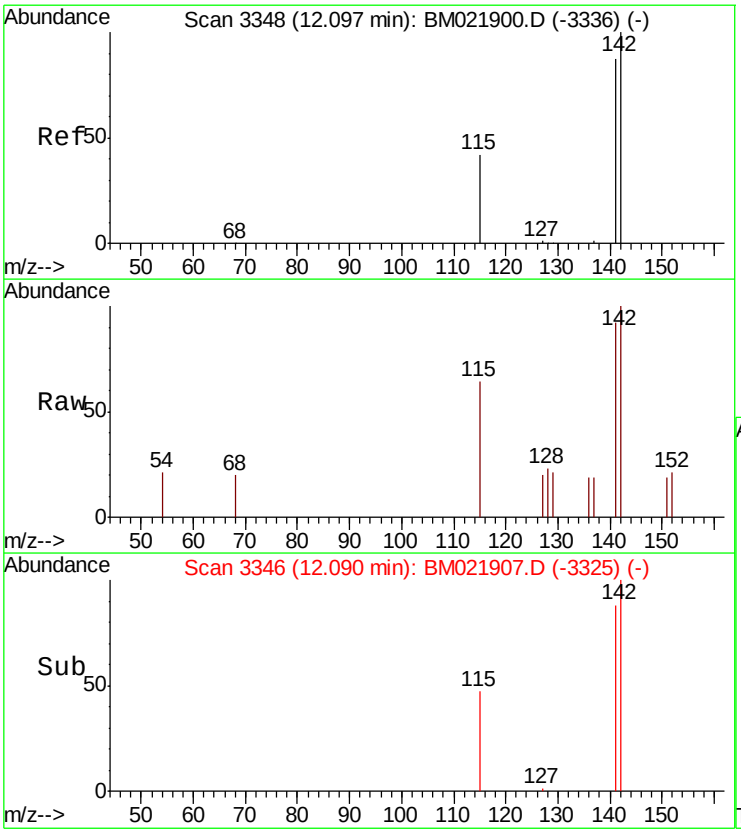
Tgt Ion:128 Resp: 778

Ion	Ratio	Lower	Upper
128	100		
129	22.9	12.3	18.5#
127	23.2	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

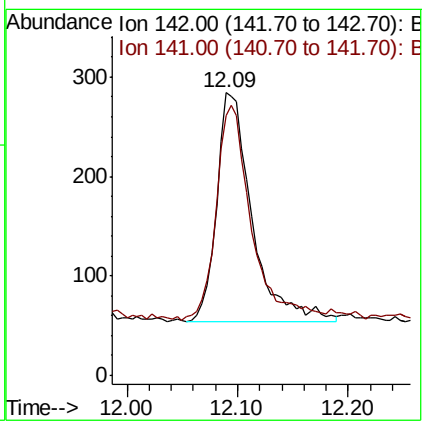


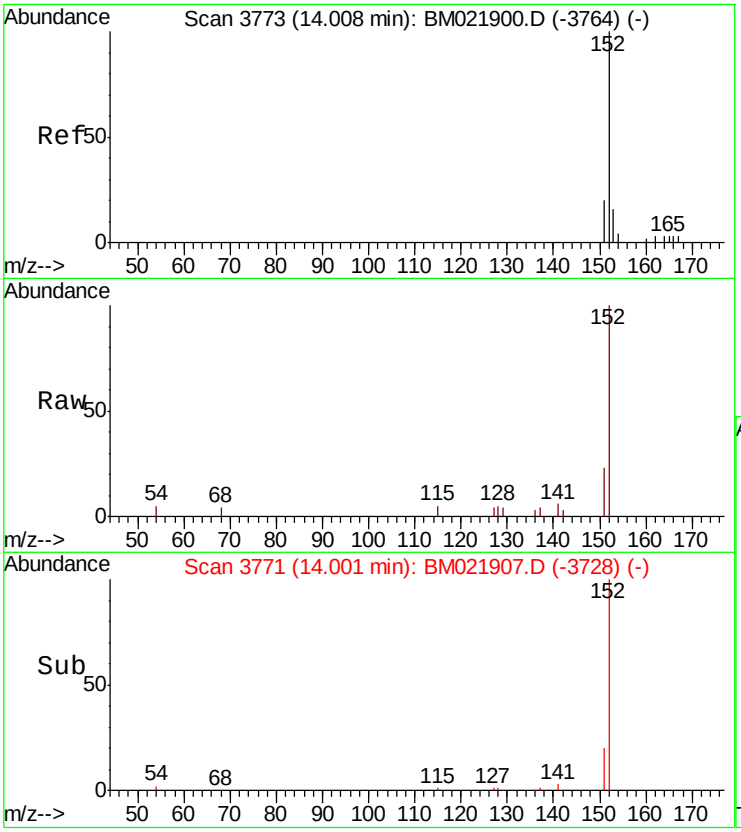


#5
2-Methylnaphthalene
Concen: 0.081 ng/ul
RT: 12.09 min Scan# 3346
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:142 Resp: 511

Ion	Ratio	Lower	Upper
142	100		
141	94.7	74.3	111.5





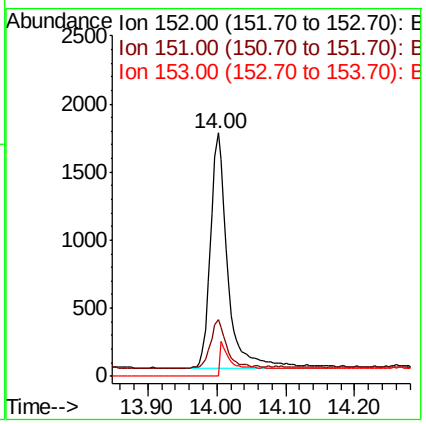
#7
Acenaphthylene
Concen: 0.314 ng/ul
RT: 14.00 min Scan# 3771
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

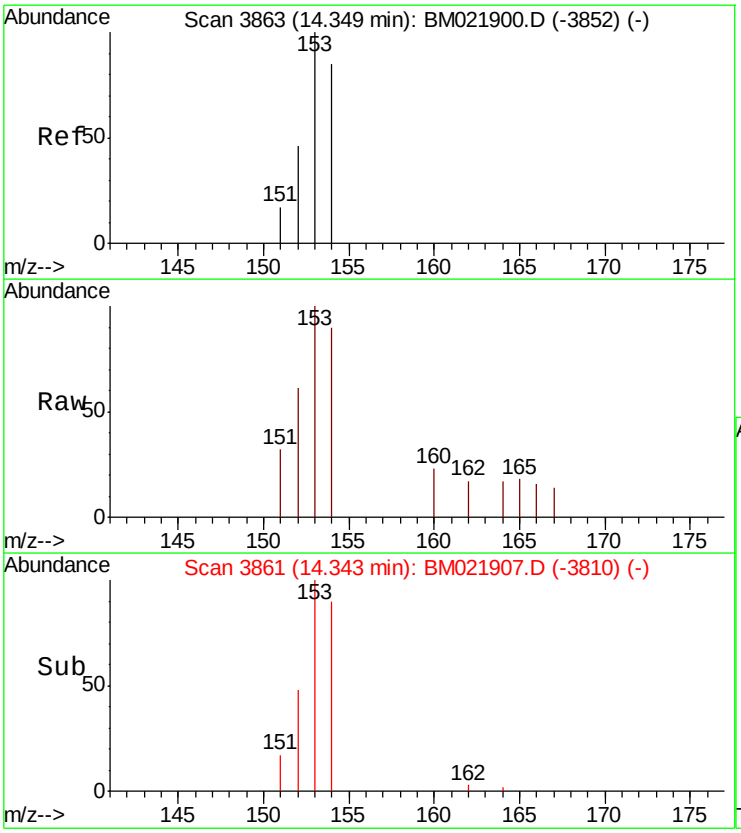
Tgt Ion:152 Resp: 2900

Ion	Ratio	Lower	Upper
152	100		
151	23.0	18.3	27.5
153	0.0	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

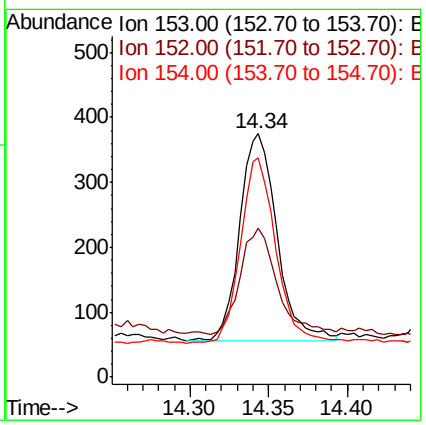


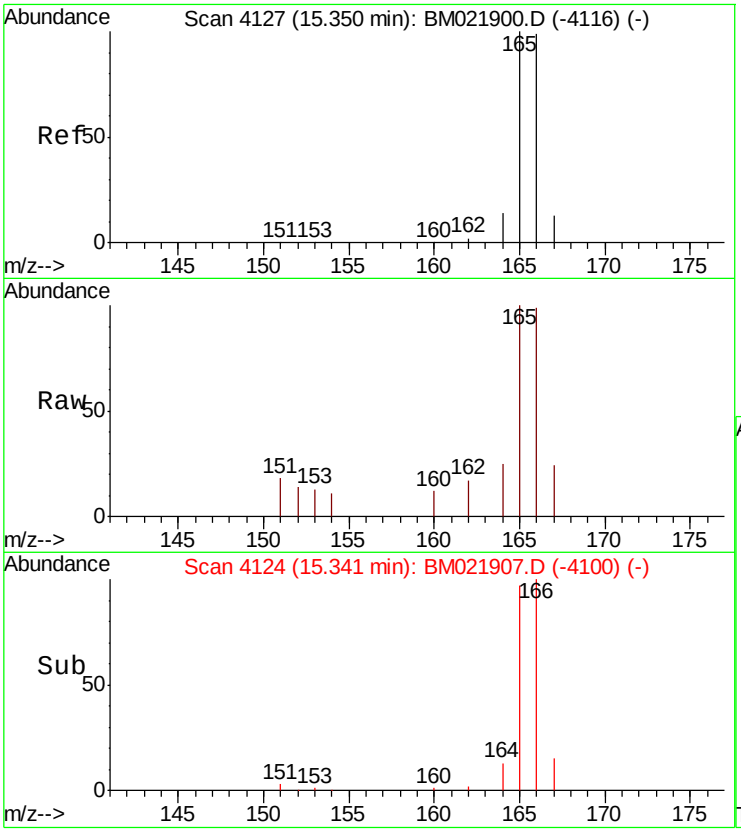


#8
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.34 min Scan# 3861
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:153 Resp: 520

Ion	Ratio	Lower	Upper
153	100		
152	61.1	41.3	61.9
154	89.9	72.3	108.5

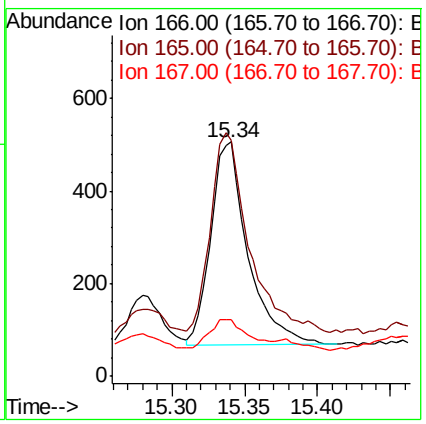




#9
Fluorene
Concen: 0.094 ng/ul
RT: 15.34 min Scan# 4124
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

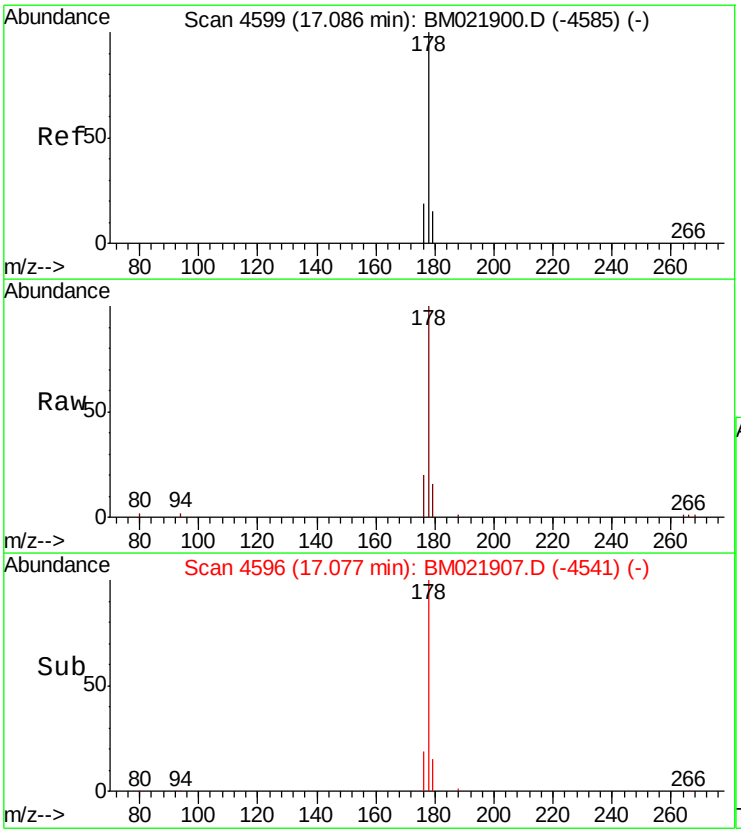
Tgt Ion:166 Resp: 785

Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.4	122.0
167	24.1	13.7	20.5#



Instrument :
BNA_M
ClientSampleId :
BEP16DL

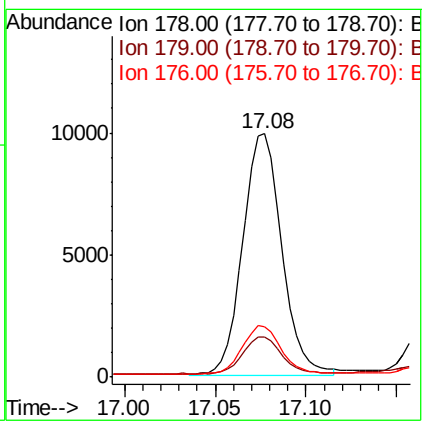
Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

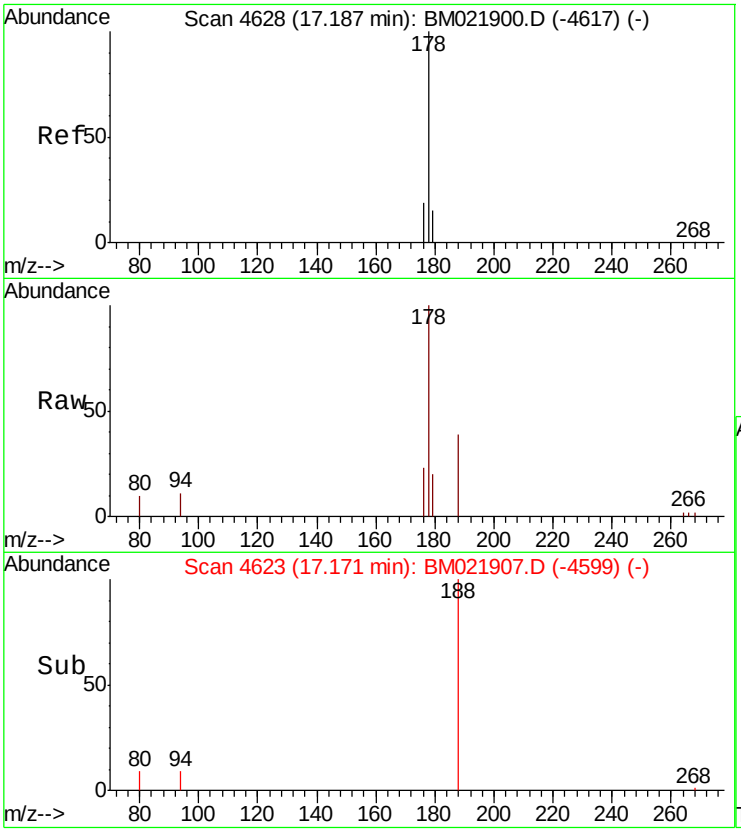


#12
Phenanthrene
Concen: 1.056 ng/ul m
RT: 17.08 min Scan# 4596
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:178 Resp: 14816

Ion	Ratio	Lower	Upper
178	100		
179	16.5	14.2	21.2
176	20.5	16.8	25.2

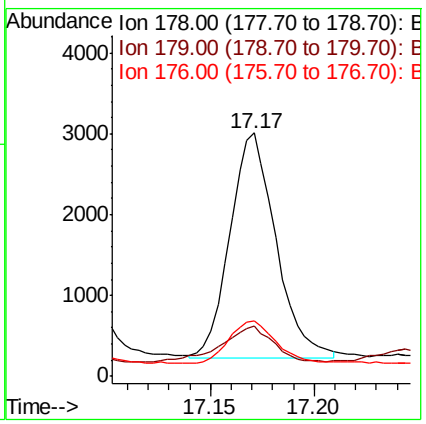




#13
Anthracene
Concen: 0.358 ng/ul m
RT: 17.17 min Scan# 4623
Delta R.T. -0.02 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

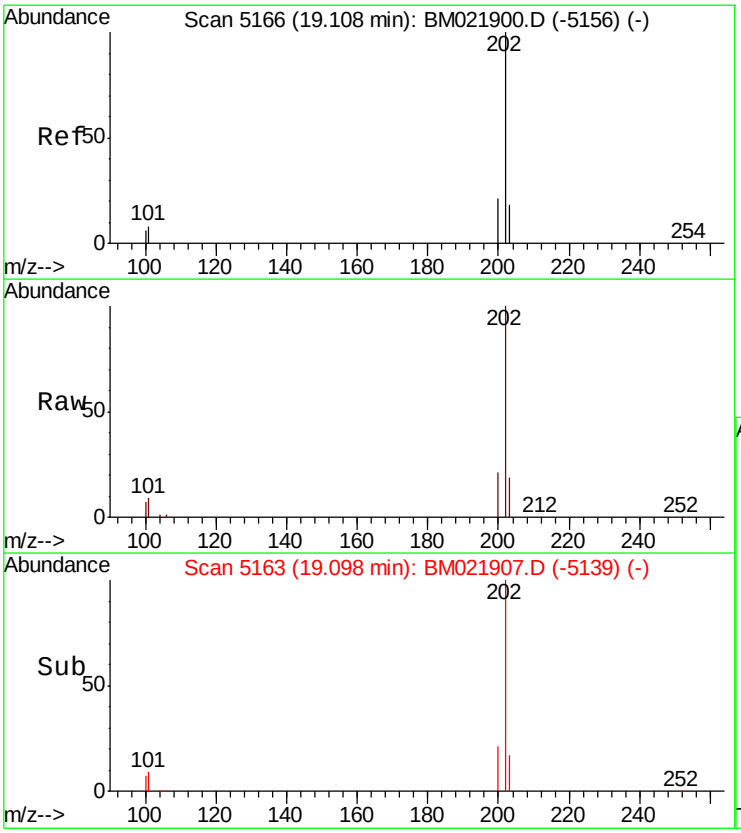
Tgt Ion:178 Resp: 4283

Ion	Ratio	Lower	Upper
178	100		
179	20.5	15.5	23.3
176	22.9	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BEP16DL

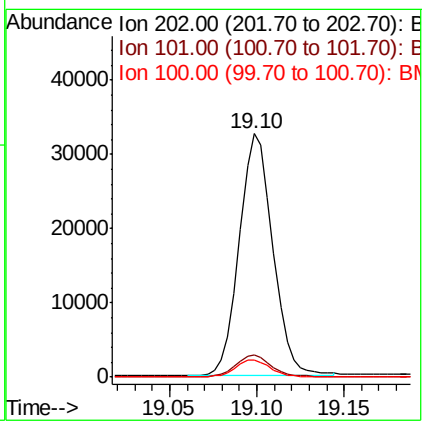
Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

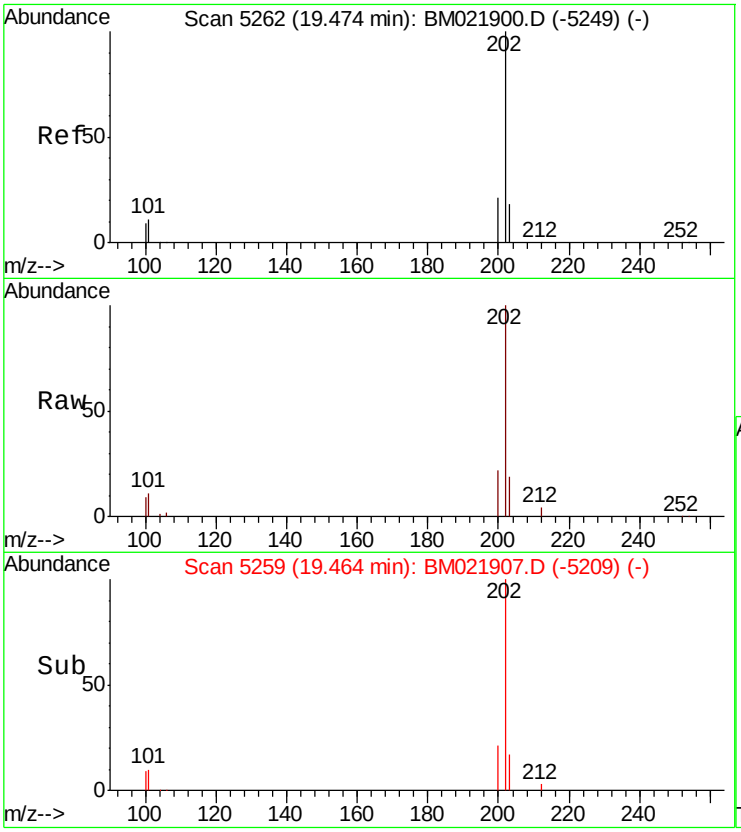


#15
Fluoranthene
Concen: 2.326 ng/ul m
RT: 19.10 min Scan# 5163
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:202 Resp: 43703

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
100	7.1	0.0	28.1

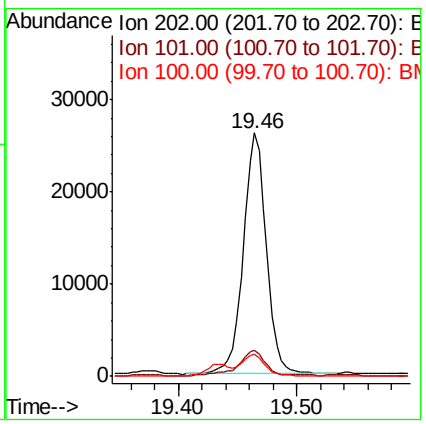




#17
Pyrene
Concen: 1.910 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

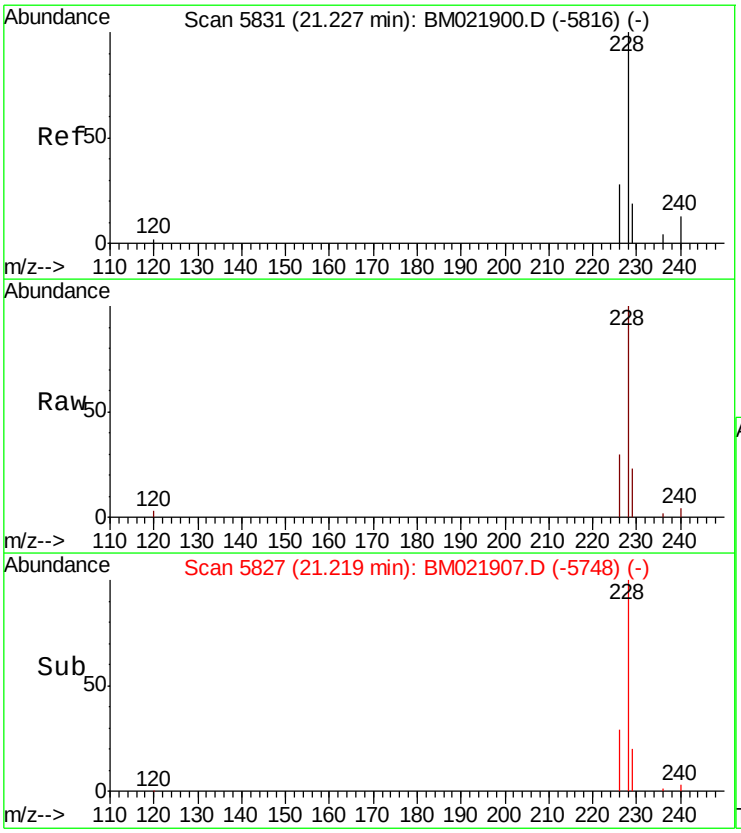
Tgt Ion:202 Resp: 35613

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.3	12.5
100	8.9	7.2	10.8



Instrument :
BNA_M
ClientSampleId :
BEP16DL

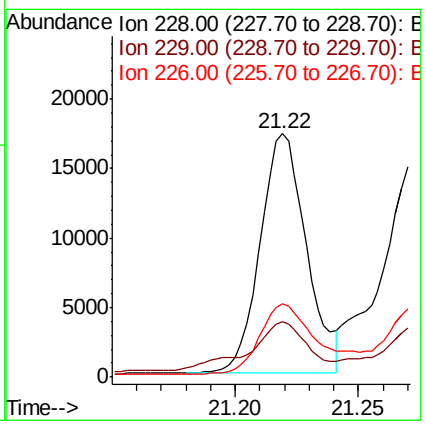
Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

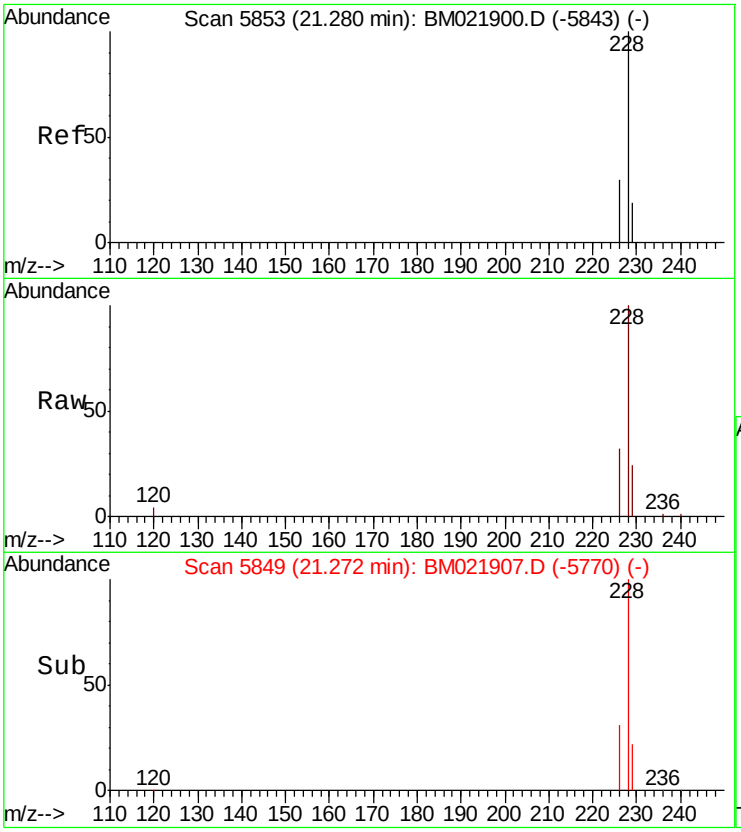


#18
Benzo(a)anthracene
Concen: 1.380 ng/ul
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:228 Resp: 22398

Ion	Ratio	Lower	Upper
228	100		
229	22.7	17.2	25.8
226	30.1	22.6	34.0





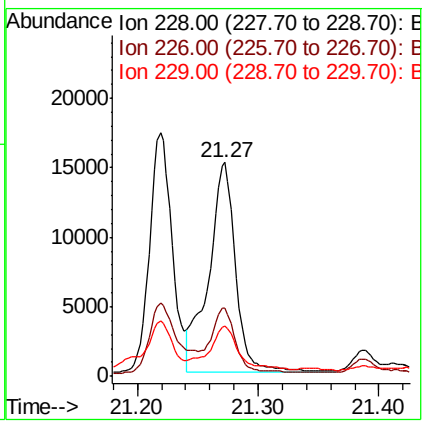
#19
Chrysene
Concen: 1.119 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

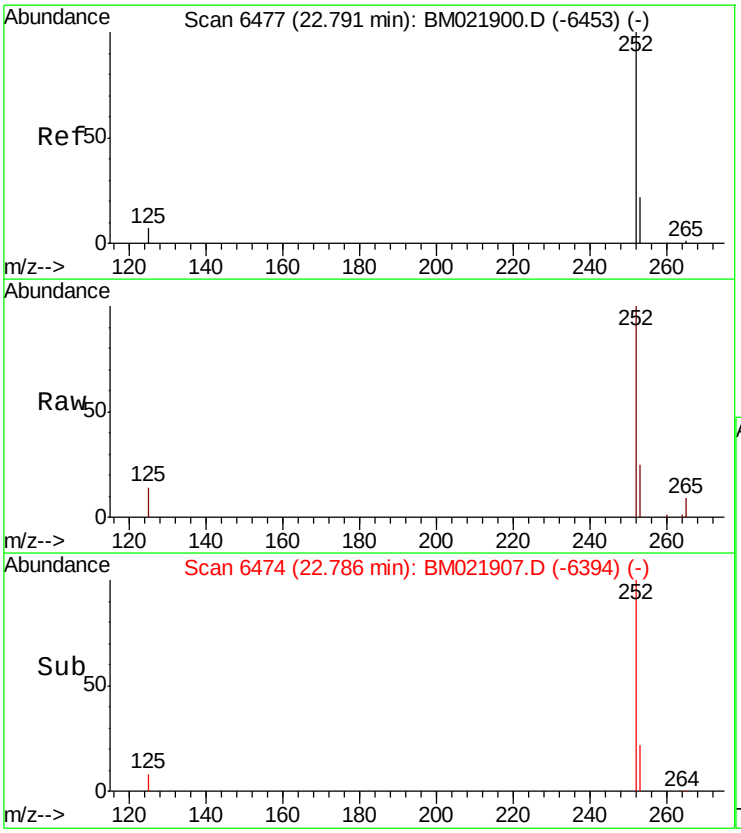
Tgt Ion:228 Resp: 23360

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	23.7	16.6	25.0

Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

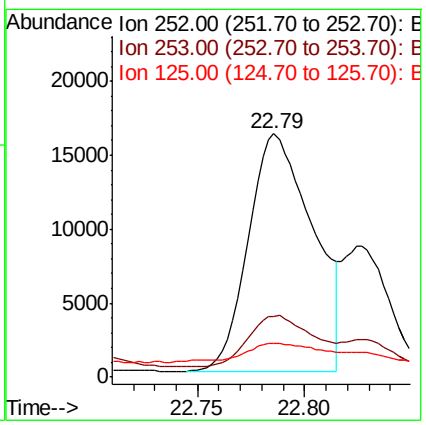


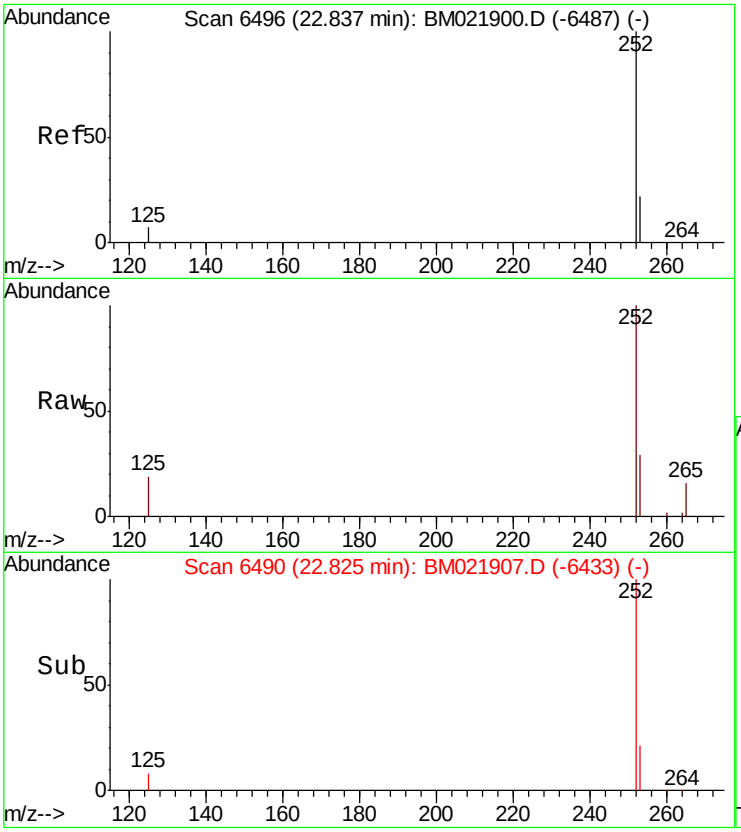


#21
Benzo(b)fluoranthene
Concen: 2.028 ng/ul m
RT: 22.79 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:252 Resp: 33684

Ion	Ratio	Lower	Upper
252	100		
253	25.1	0.0	67.4
125	13.9	0.0	31.0





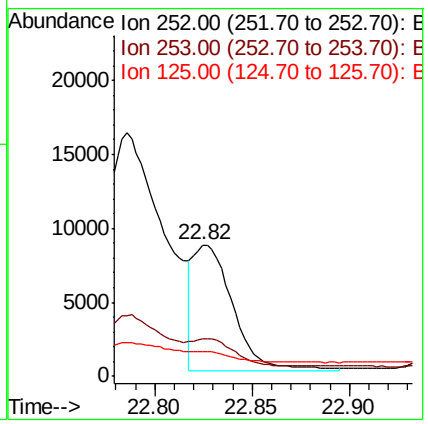
#22
Benzo(k)fluoranthene
Concen: 0.643 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

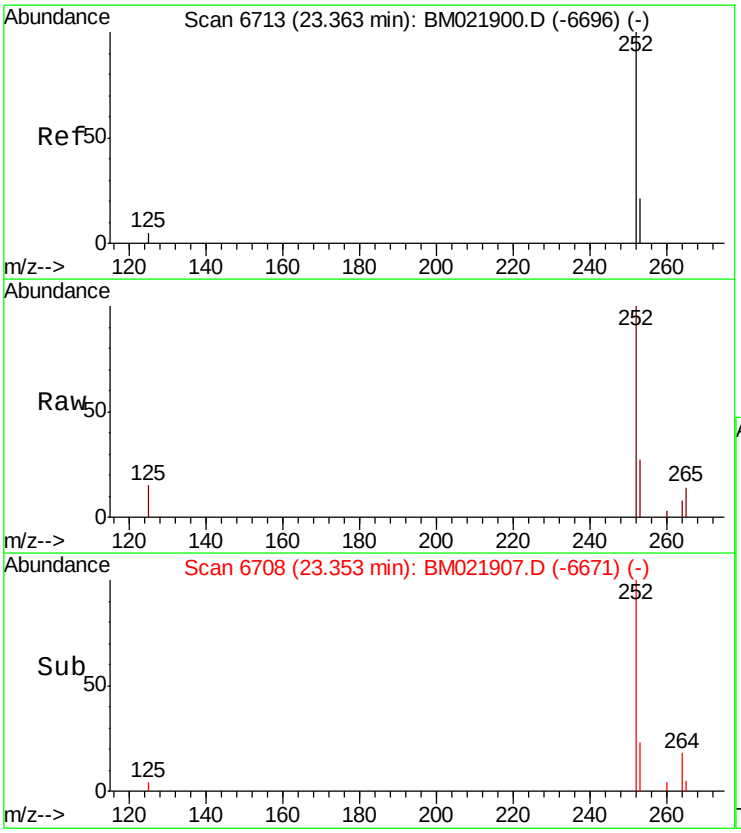
Tgt Ion:252 Resp: 12083

Ion	Ratio	Lower	Upper
252	100		
253	28.7	27.0	40.4
125	19.1	12.2	18.2#

Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

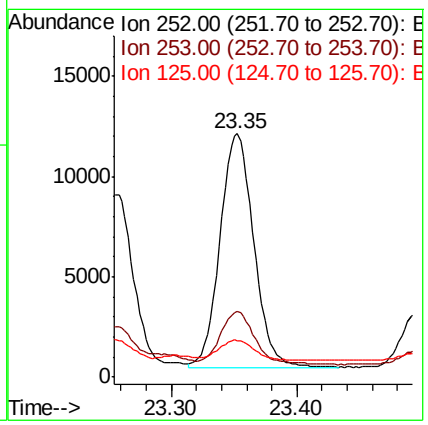


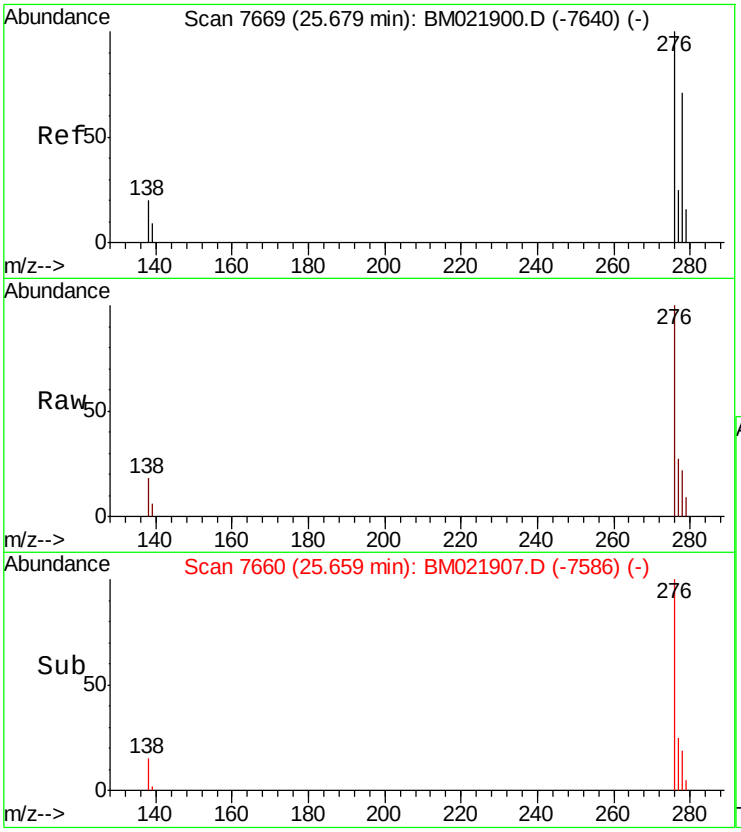


#23
Benzo(a)pyrene
Concen: 1.280 ng/ul
RT: 23.35 min Scan# 6708
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:252 Resp: 21618

Ion	Ratio	Lower	Upper
252	100		
253	26.9	31.7	47.5#
125	15.1	14.6	21.8

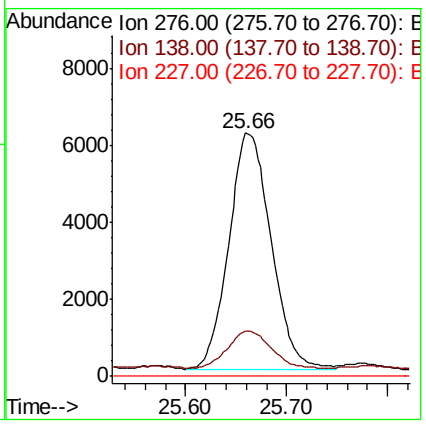




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.882 ng/ul
RT: 25.66 min Scan# 7660
Delta R.T. -0.02 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

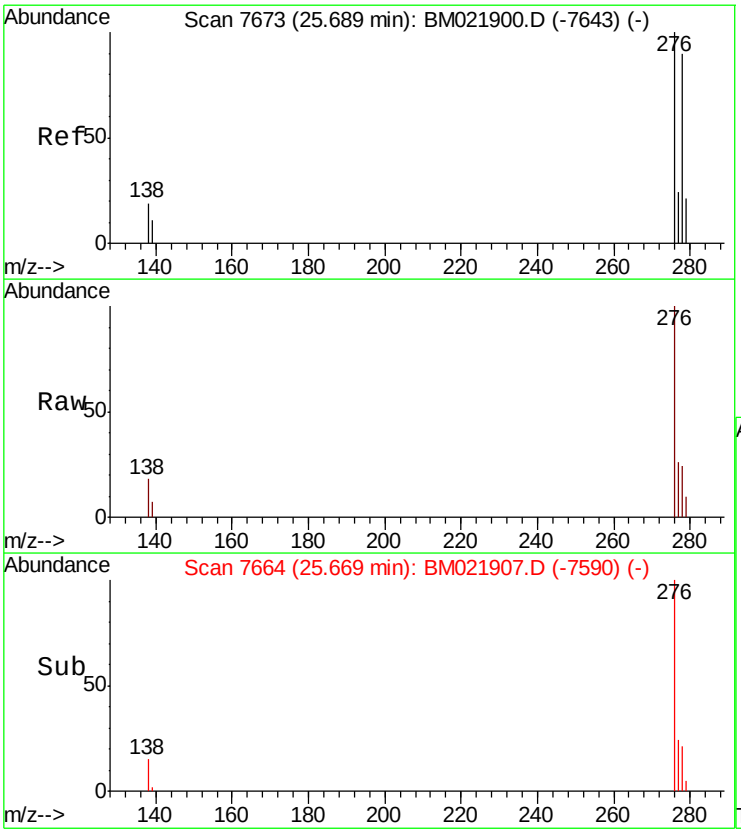
Tgt Ion:276 Resp: 17781

Ion	Ratio	Lower	Upper
276	100		
138	16.4	15.1	22.7
227	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
BEP16DL

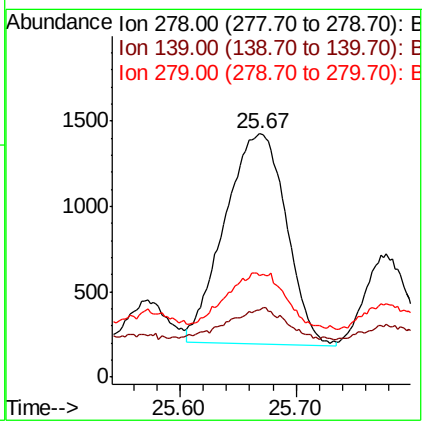
Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM

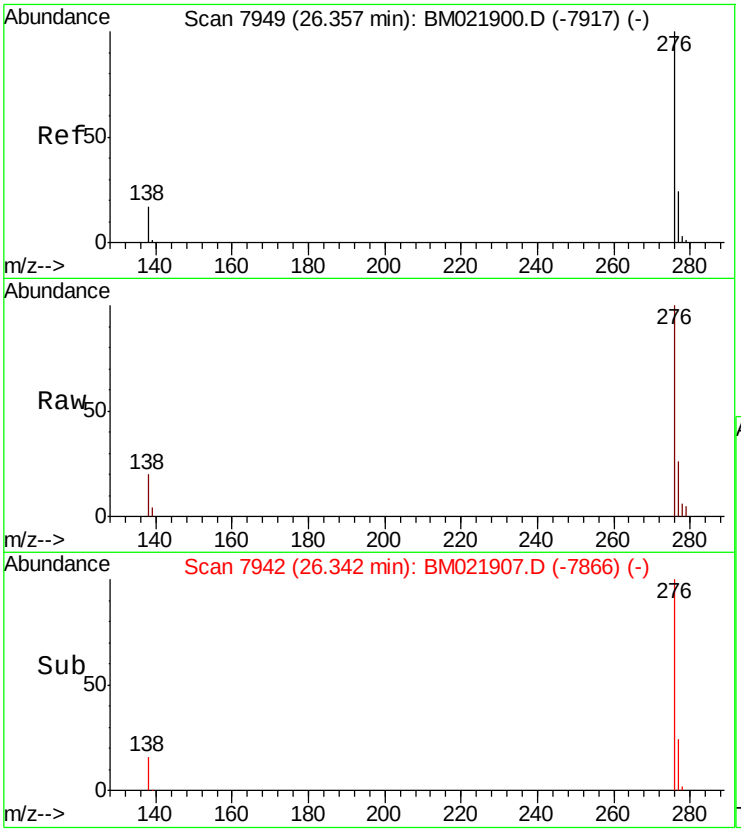


#25
Dibenzo(a,h)anthracene
Concen: 0.278 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.02 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:278 Resp: 4526

Ion	Ratio	Lower	Upper
278	100		
139	27.6	14.2	21.2#
279	41.7	28.3	42.5

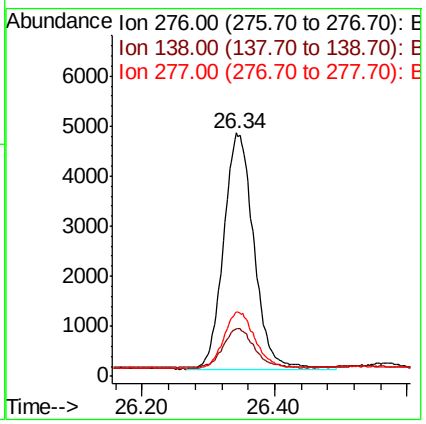




#26
Benzo(g,h,i)perylene
Concen: 0.827 ng/ul
RT: 26.34 min Scan# 7942
Delta R.T. -0.01 min
Lab File: BM021907.D
Acq: 07 Aug 2019 21:56

Tgt Ion:276 Resp: 15015

Ion	Ratio	Lower	Upper
276	100		
138	19.7	15.5	23.3
277	26.3	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
BEP16DL

Manual Integrations APPROVED
mohammad
8/9/2019 6:10:52 AM