Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\
Data File : BM025475.D
Acq On : 11 Mar 2020 05:22
Operator : CG/JU
Sample : L1617-20DL 5X
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

Quant Time: Mar 11 05:55:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 23:48:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	3248	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	13686	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	9298	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	21771	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	20180	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	20384	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	586	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	1732	0.03	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.48	128	2794	0.069	ng/ul#	93
5) 2-Methylnaphthalene	12.10	142	2015	0.070	ng/ul	100
7) Acenaphthylene	14.00	152	11442	0.301	ng/ul	99
8) Acenaphthene	14.35	153	13230	0.397	ng/ul	99
9) Fluorene	15.34	166	18981	0.467	ng/ul	100
12) Phenanthrene	17.07	178	125553	1.820	ng/ul	100
13) Anthracene	17.16	178	313826	5.227	ng/ul	99
15) Fluoranthene	19.09	202	636831	8.515	ng/ul	100
17) Pyrene	19.45	202	753576	8.320	ng/ul	100
18) Benzo(a)anthracene	21.20	228	350993	4.865	ng/ul	97
19) Chrysene	21.25	228	509858	6.293	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	677188m	8.390	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	194712m	2.302	ng/ul	
23) Benzo(a)pyrene	23.30	252	274405m	4.094	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.57	276	172161	1.893	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	47006	0.614	ng/ul	96
26) Benzo(g,h,i)perylene	26.23	276	109519	1.388	ng/ul	98

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

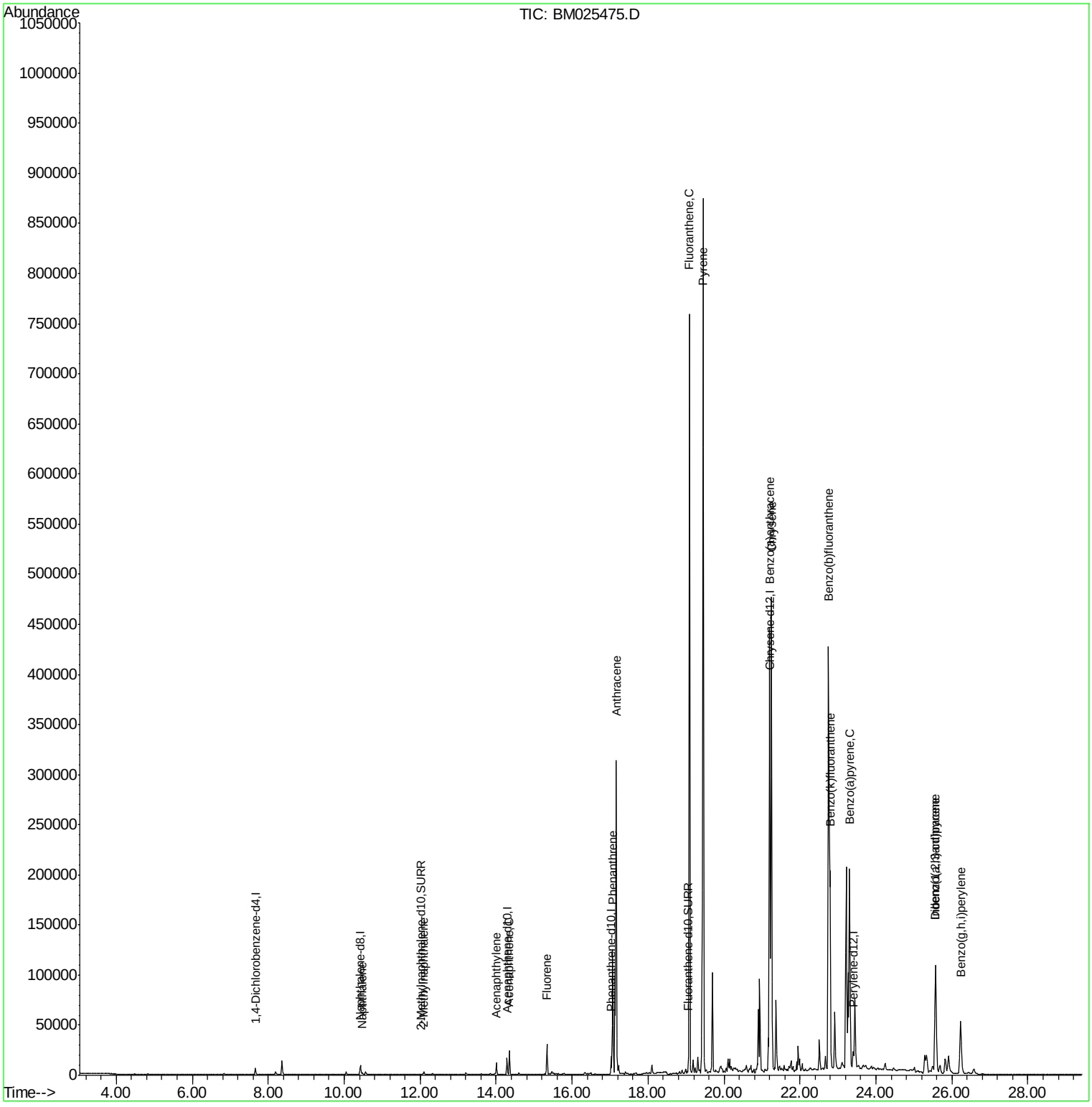
Quantitation Report (QT Reviewed)

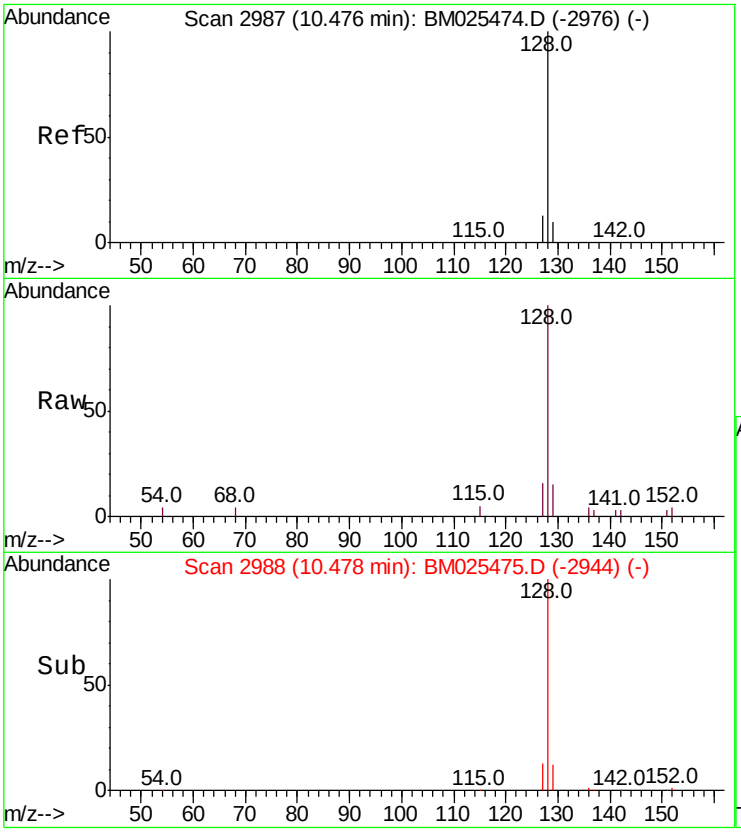
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\
Data File : BM025475.D
Acq On : 11 Mar 2020 05:22
Operator : CG/JU
Sample : L1617-20DL 5X
Misc :
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Mar 11 05:55:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 23:48:01 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

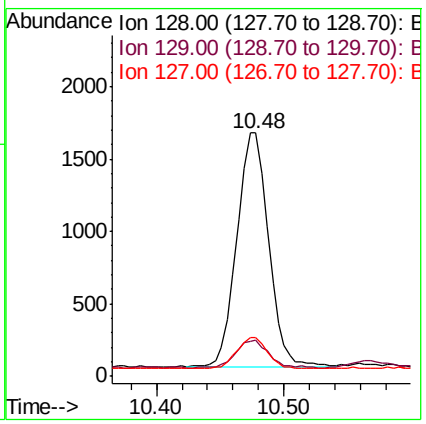




#3
Naphthalene
Concen: 0.069 ng/ul
RT: 10.48 min Scan# 2988
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

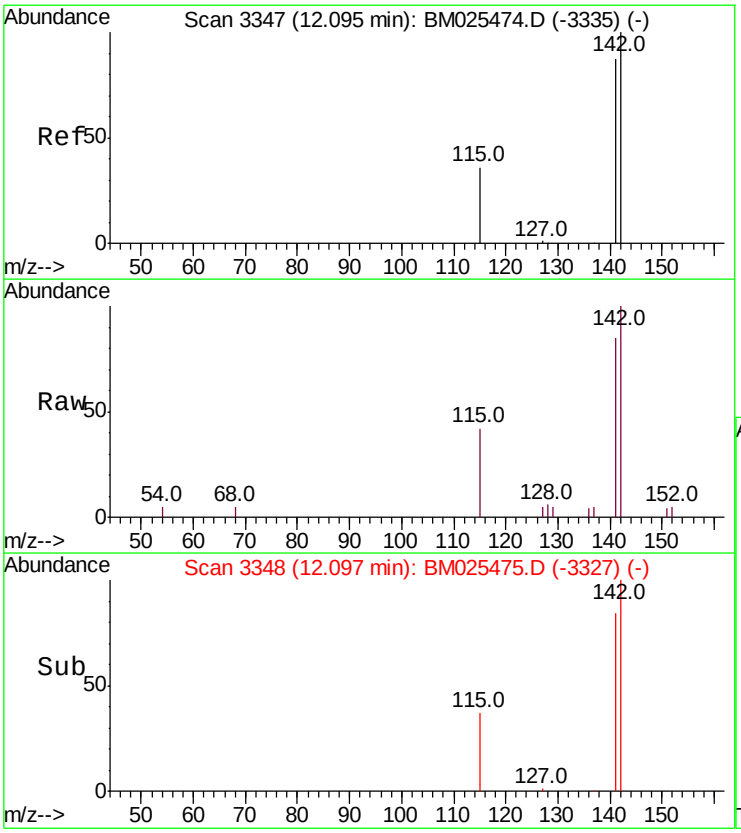
Tgt Ion:128 Resp: 2794

Ion	Ratio	Lower	Upper
128	100		
129	15.2	9.4	14.0#
127	15.9	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
DBDT4DL

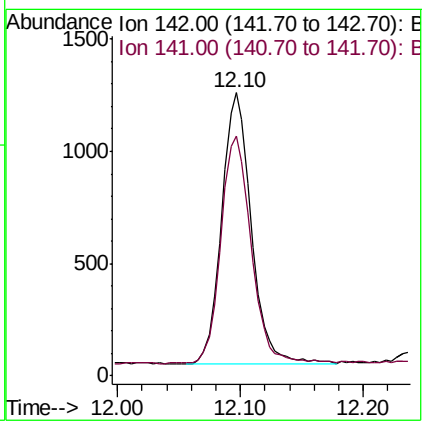
Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

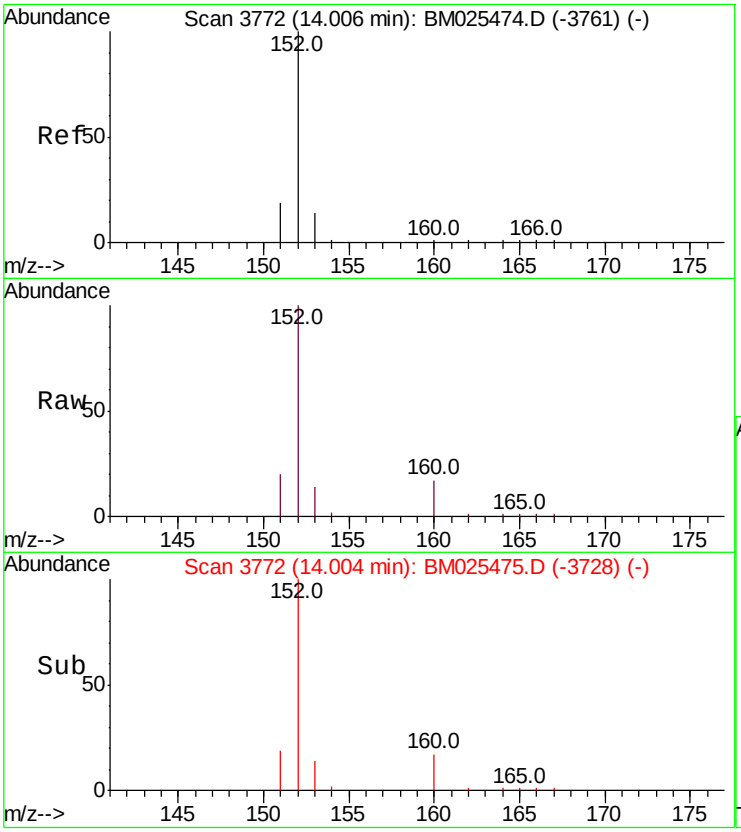


#5
2-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.10 min Scan# 3348
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:142 Resp: 2015

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.8	104.6

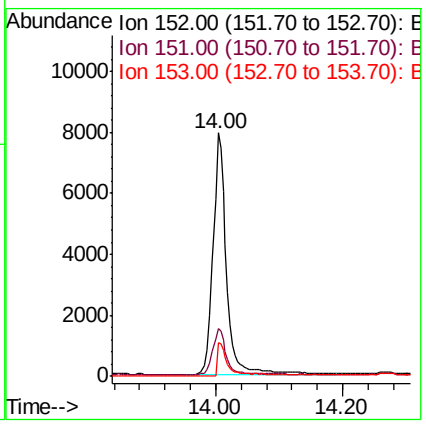




#7
Acenaphthylene
Concen: 0.301 ng/ul
RT: 14.00 min Scan# 3772
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

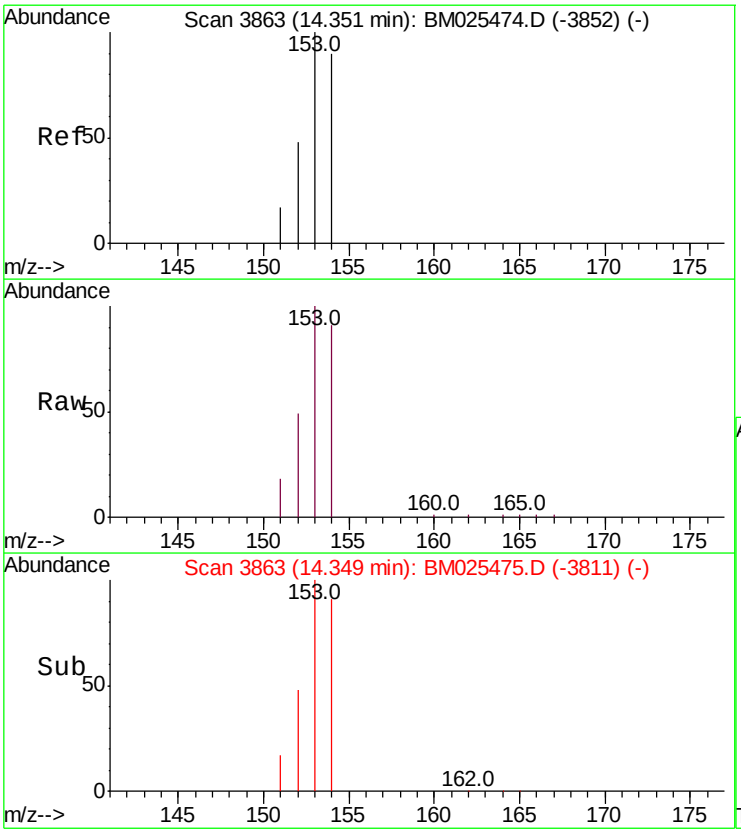
Tgt Ion:152 Resp: 11442

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.6	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
DBDT4DL

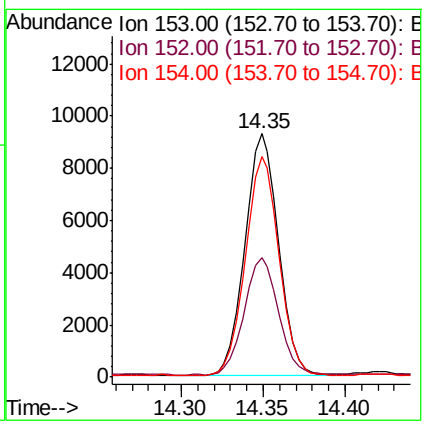
Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

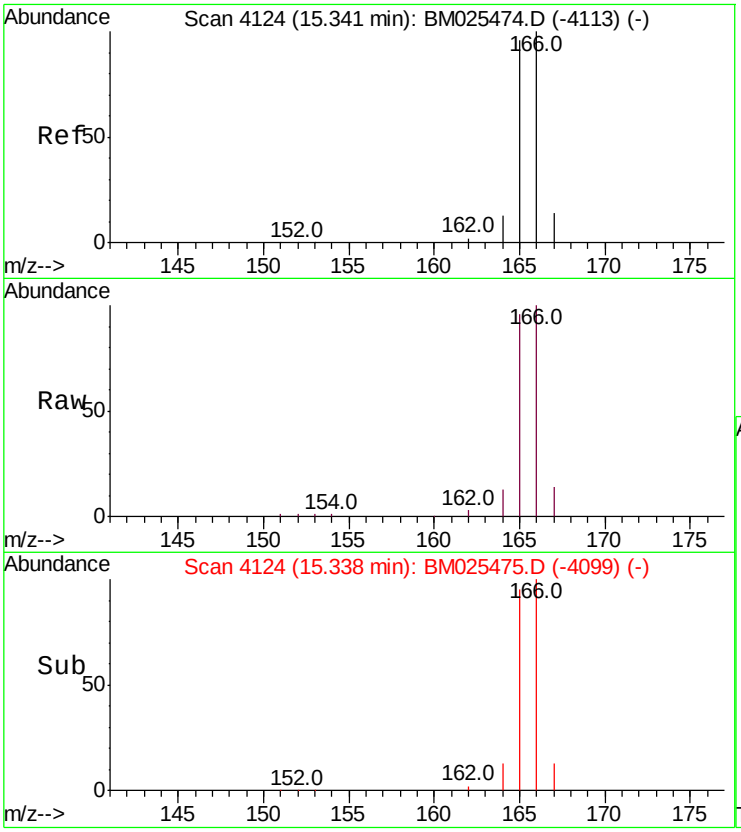


#8
Acenaphthene
Concen: 0.397 ng/ul
RT: 14.35 min Scan# 3863
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:153 Resp: 13230

Ion	Ratio	Lower	Upper
153	100		
152	49.2	39.5	59.3
154	90.8	71.7	107.5

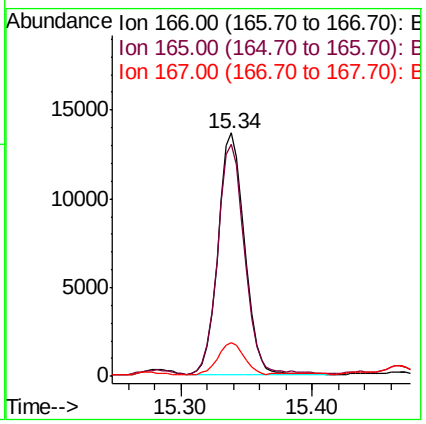




#9
Fluorene
Concen: 0.467 ng/ul
RT: 15.34 min Scan# 4124
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

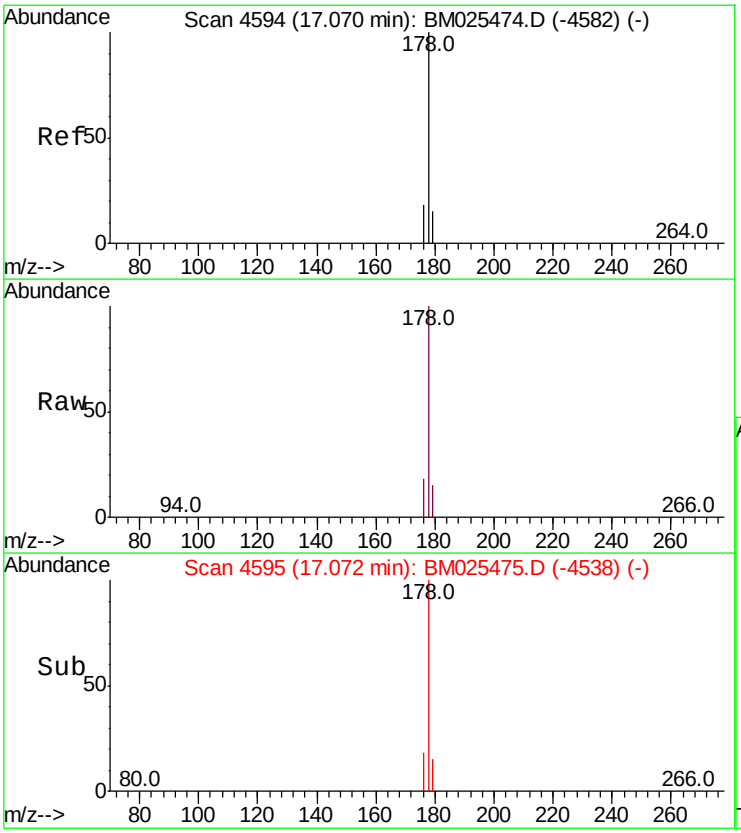
Tgt Ion:166 Resp: 18981

Ion	Ratio	Lower	Upper
166	100		
165	95.6	76.8	115.2
167	13.9	11.2	16.8



Instrument :
BNA_M
ClientSampleId :
DBDT4DL

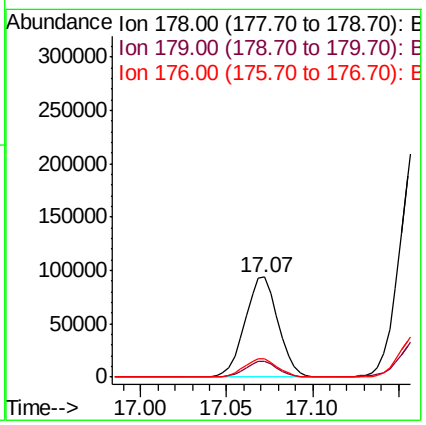
Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

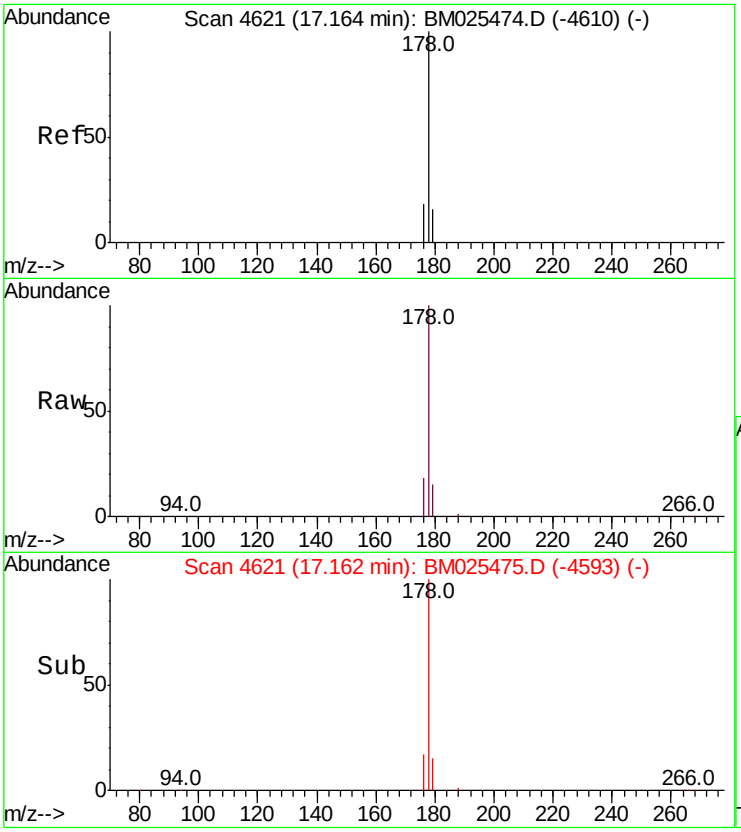


#12
Phenanthrene
Concen: 1.820 ng/ul
RT: 17.07 min Scan# 4595
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:178 Resp: 125553

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.4	18.6
176	18.3	14.8	22.2

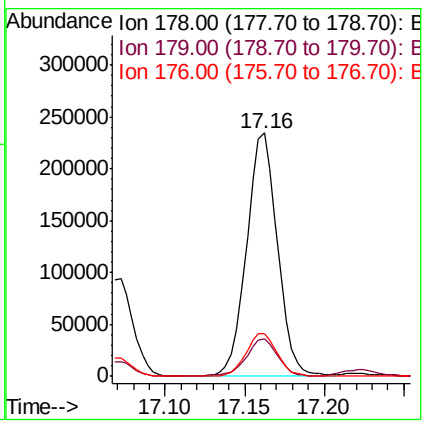




#13
Anthracene
Concen: 5.227 ng/ul
RT: 17.16 min Scan# 4621
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

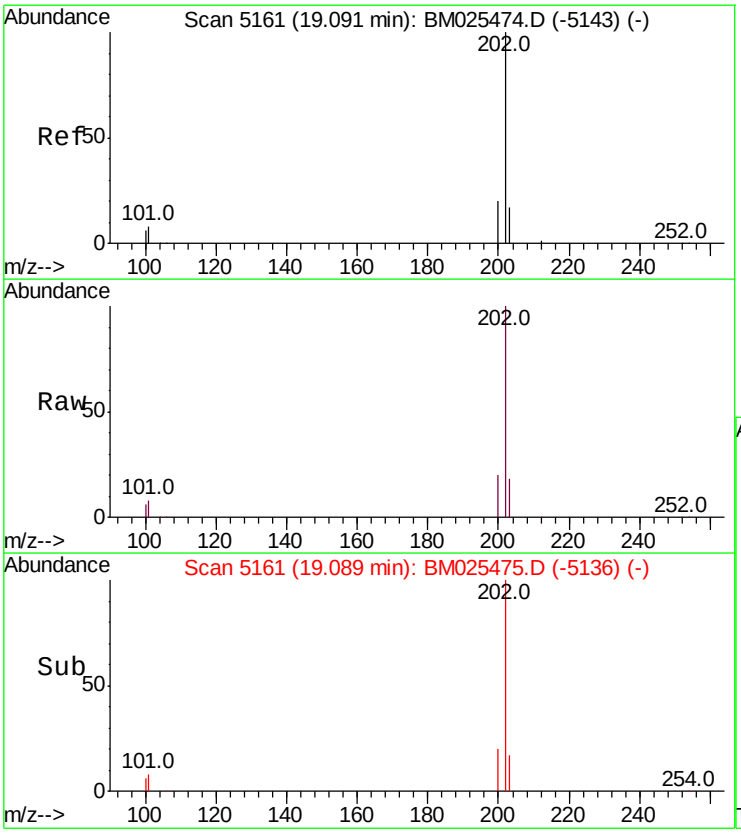
Tgt Ion:178 Resp: 313826

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8
176	17.6	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
DBDT4DL

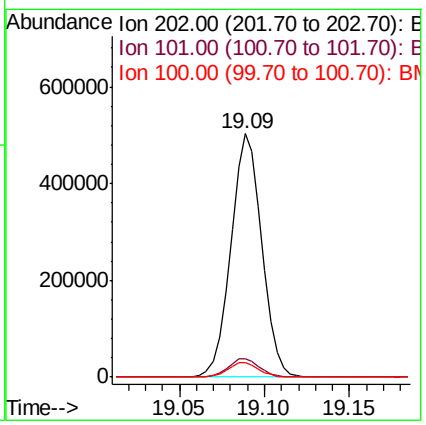
Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

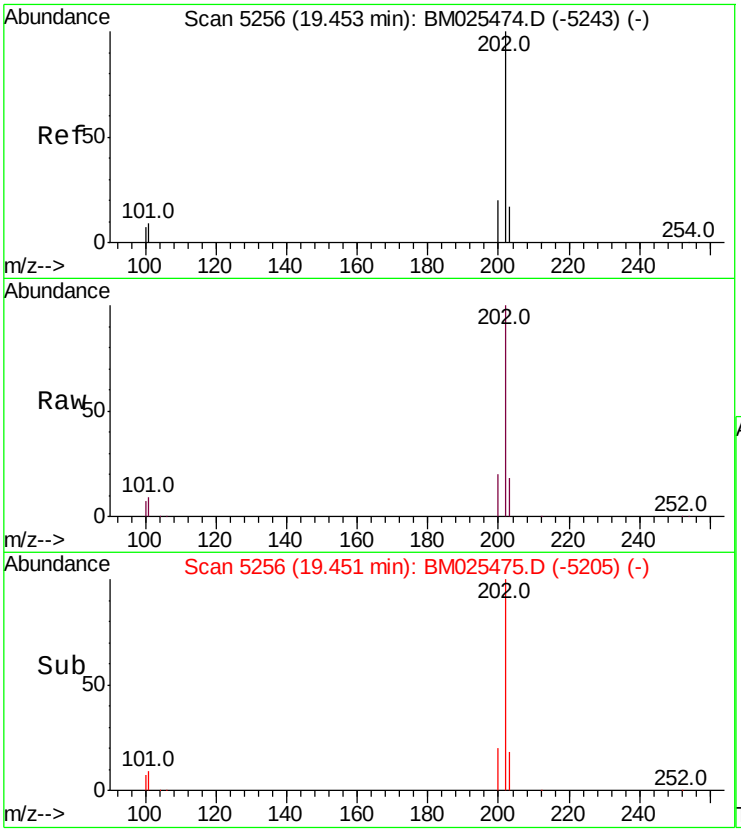


#15
Fluoranthene
Concen: 8.515 ng/ul
RT: 19.09 min Scan# 5161
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:202 Resp: 636831

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.5
100	6.0	0.0	26.0





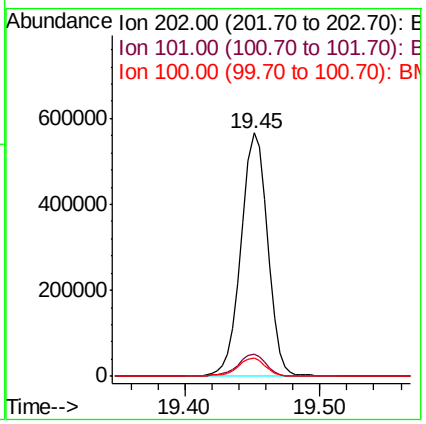
#17
Pyrene
Concen: 8.320 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

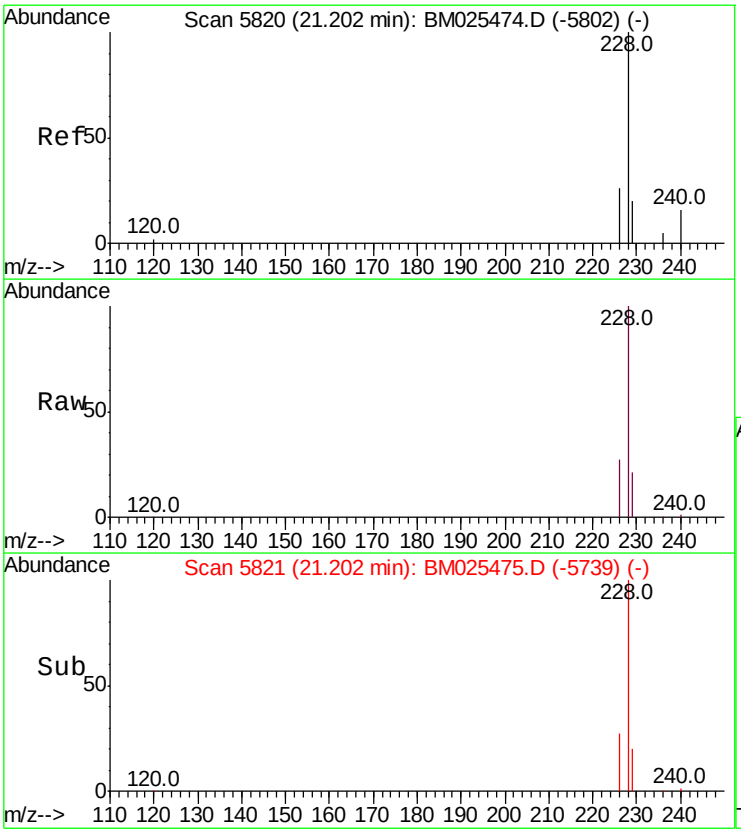
Tgt Ion:202 Resp: 753576

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.1	10.7
100	7.4	6.0	9.0

Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

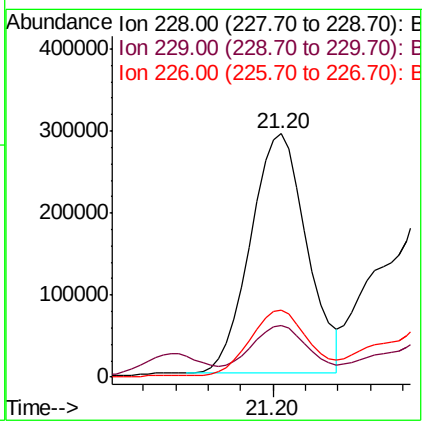


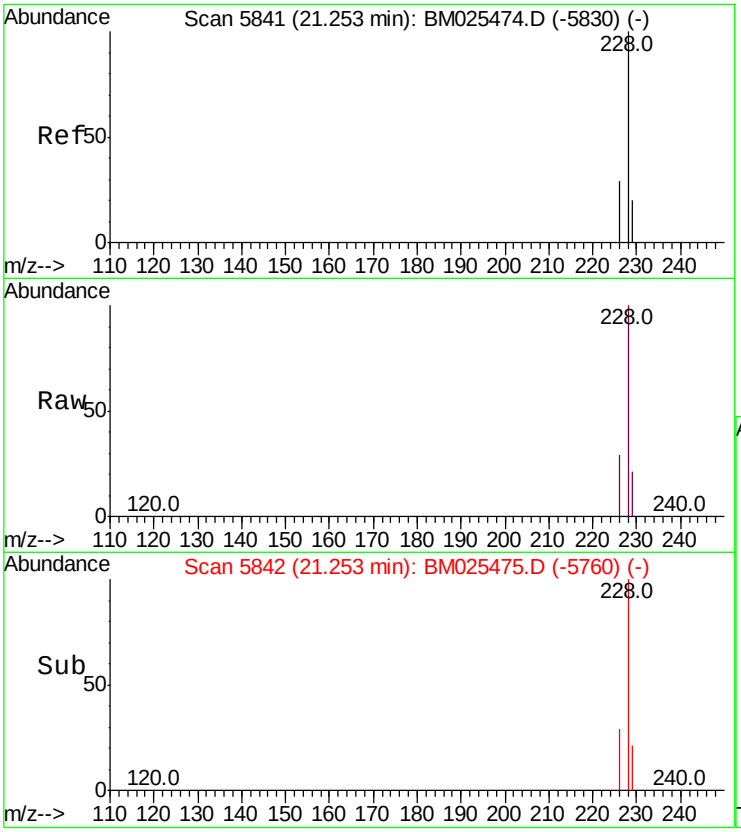


#18
Benzo(a)anthracene
Concen: 4.865 ng/ul
RT: 21.20 min Scan# 5821
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:228 Resp: 350993

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.6	23.4
226	27.4	21.1	31.7





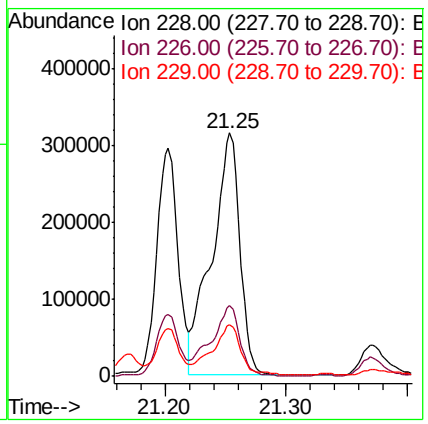
#19
Chrysene
Concen: 6.293 ng/ul
RT: 21.25 min Scan# 5842
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

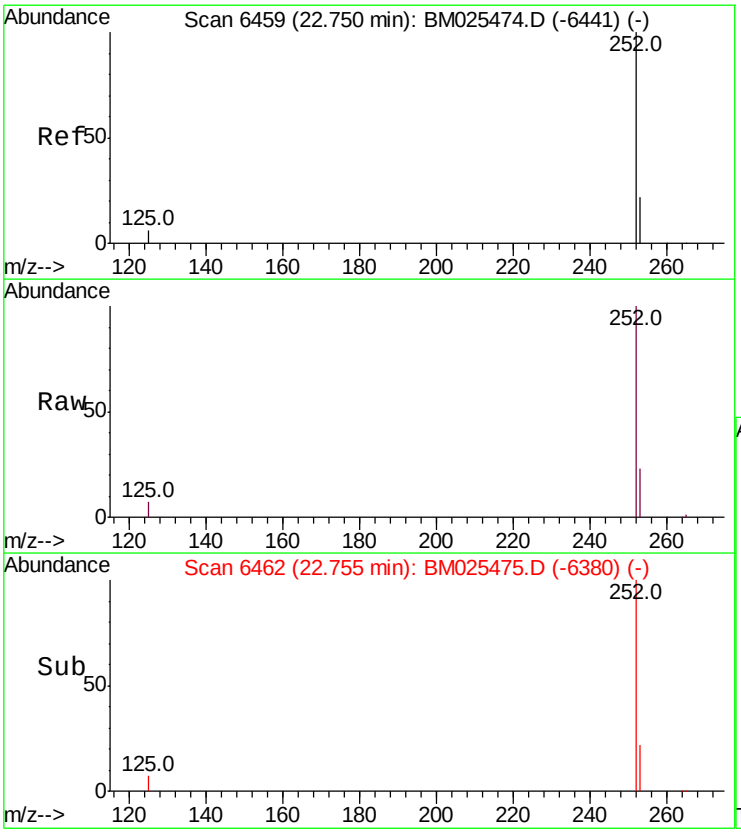
Tgt Ion:228 Resp: 509858

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.6	35.4
229	21.4	16.3	24.5

Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

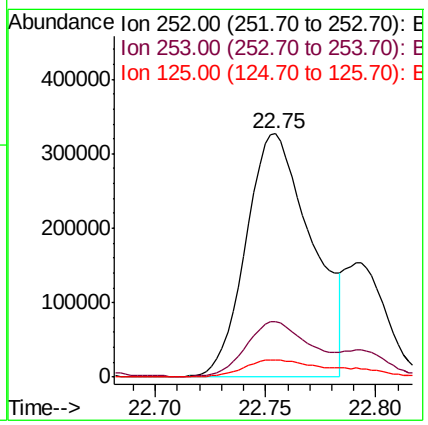


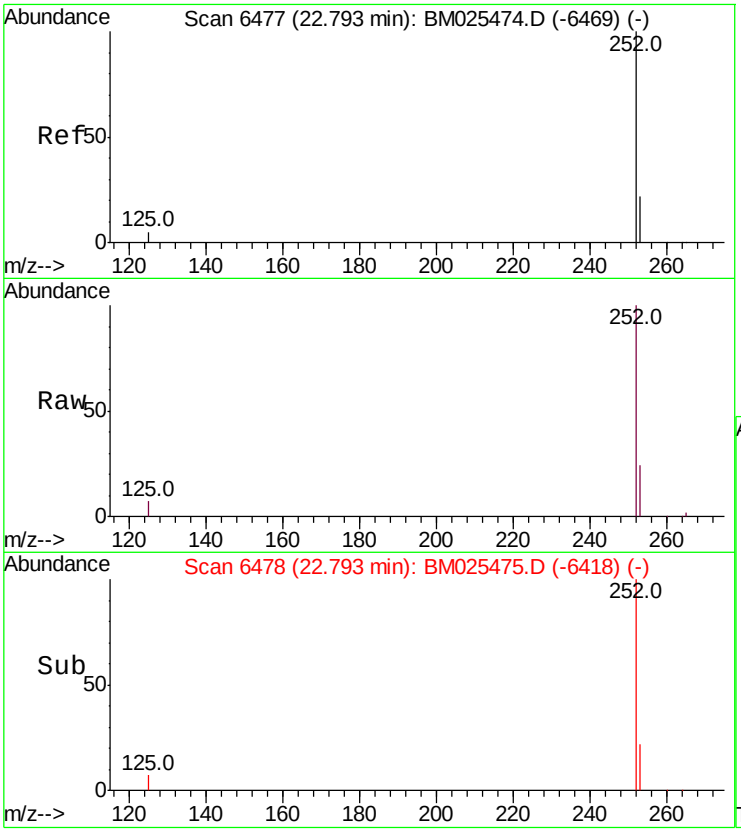


#21
Benzo(b)fluoranthene
Concen: 8.390 ng/ul m
RT: 22.75 min Scan# 6462
Delta R.T. -0.00 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:252 Resp: 677188

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	50.2
125	7.3	0.0	17.6





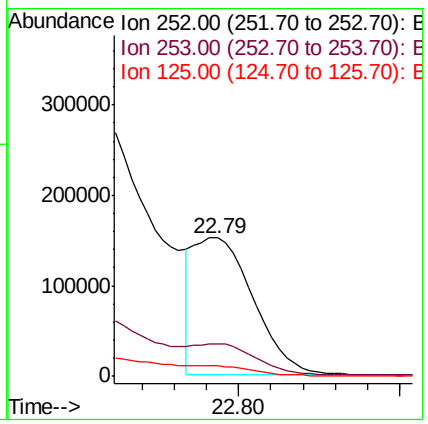
#22
Benzo(k)fluoranthene
Concen: 2.302 ng/ul m
RT: 22.79 min Scan# 6478
Delta R.T. -0.01 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

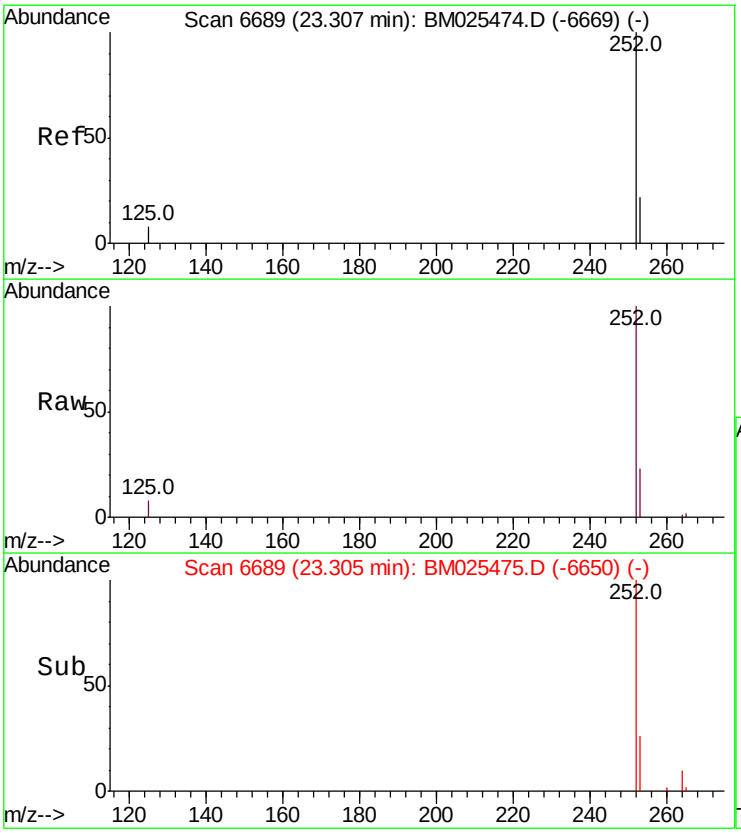
Tgt Ion:252 Resp: 194712

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.8	29.8
125	7.4	7.1	10.7

Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

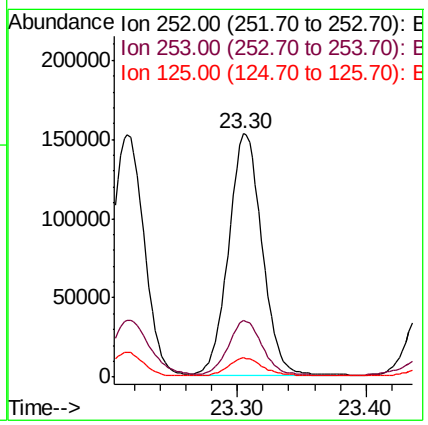


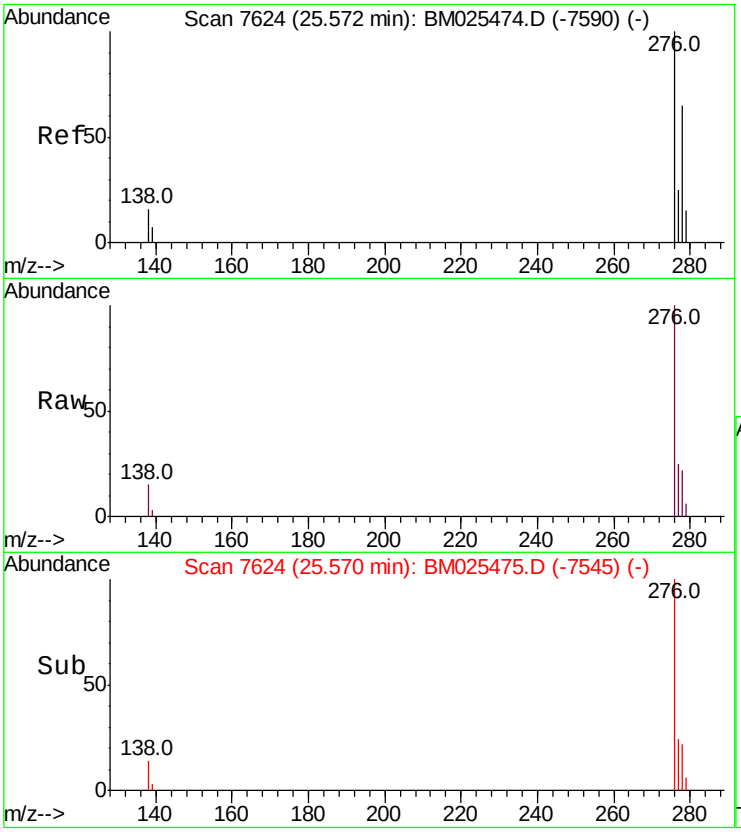


#23
Benzo(a)pyrene
Concen: 4.094 ng/ul m
RT: 23.30 min Scan# 6689
Delta R.T. -0.01 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:252 Resp: 274405

Ion	Ratio	Lower	Upper
252	100		
253	23.1	21.3	31.9
125	7.8	8.5	12.7#





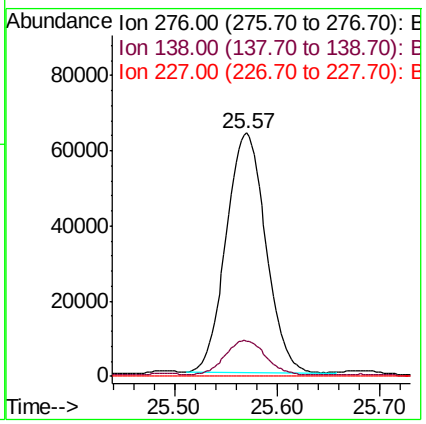
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.893 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.01 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

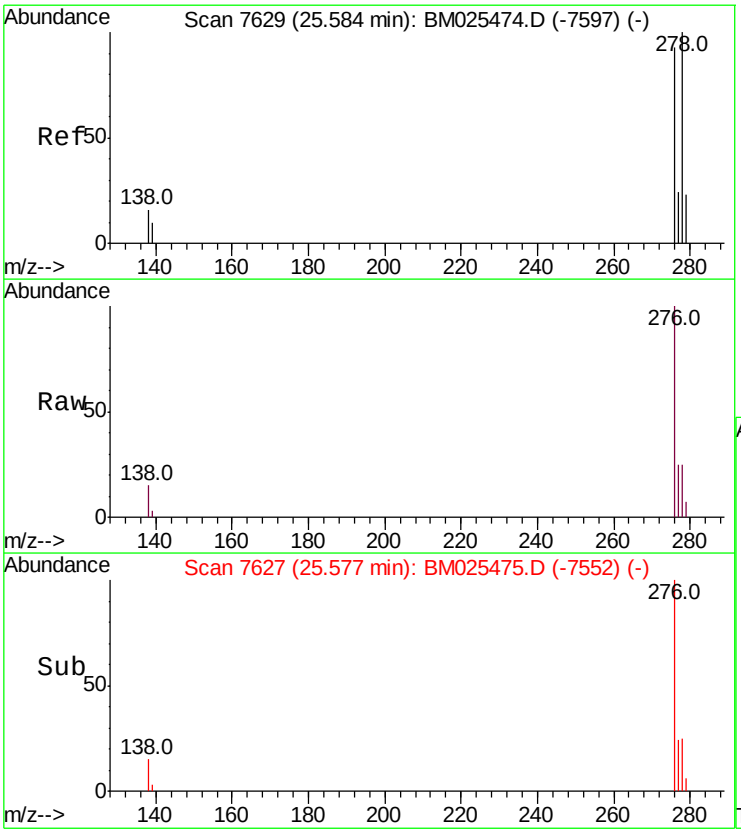
Tgt Ion:276 Resp: 172161

Ion	Ratio	Lower	Upper
276	100		
138	15.2	12.3	18.5
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM

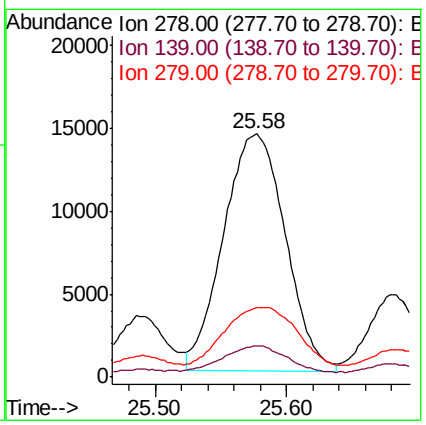


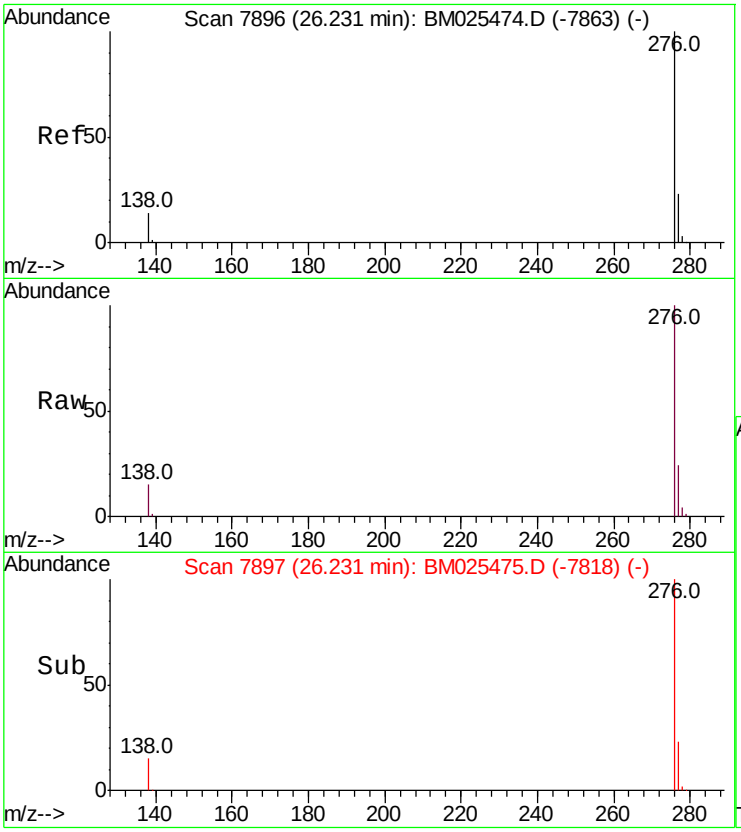


#25
Dibenzo(a,h)anthracene
Concen: 0.614 ng/ul
RT: 25.58 min Scan# 7627
Delta R.T. -0.02 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:278 Resp: 47006

Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.0	13.6
279	28.7	21.1	31.7

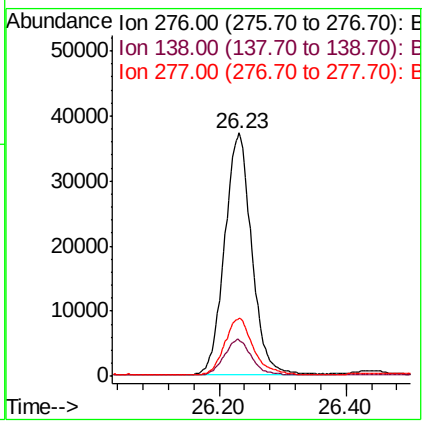




#26
Benzo(g,h,i)perylene
Concen: 1.388 ng/ul
RT: 26.23 min Scan# 7897
Delta R.T. -0.01 min
Lab File: BM025475.D
Acq: 11 Mar 2020 05:22

Tgt Ion:276 Resp: 109519

Ion	Ratio	Lower	Upper
276	100		
138	15.1	11.0	16.4
277	23.9	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
DBDT4DL

Manual Integrations APPROVED
mohammad
3/11/2020 8:02:29 AM