Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021821\
Data File : BM028820.D
Acq On : 19 Feb 2021 15:13
Operator : CG/JU
Sample : M1412-24
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBGZ9

Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM

Quant Time: Feb 19 16:00:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 10:10:00 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	339	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	1452	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	1035	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	1787m	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	2767m	0.40	ng/ul	0.02
20) Perylene-d12	23.68	264	1484	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	682	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1404	0.30	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.74	128	84	0.023	ng/ul#	1
9) Fluorene	15.58	166	103	0.028	ng/ul#	85
12) Phenanthrene	17.31	178	276	0.055	ng/ul#	43
13) Anthracene	17.37	178	248	0.052	ng/ul#	1
15) Fluoranthene	19.32	202	377	0.066	ng/ul#	1
17) Pyrene	19.68	202	307	0.031	ng/ul#	22
18) Benzo(a)anthracene	21.41	228	26478m	2.803	ng/ul	
19) Chrysene	21.43	228	30199m	3.216	ng/ul	
22) Benzo(k)fluoranthene	23.06	252	252	0.050	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.96	278	209	0.042	ng/ul#	1

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

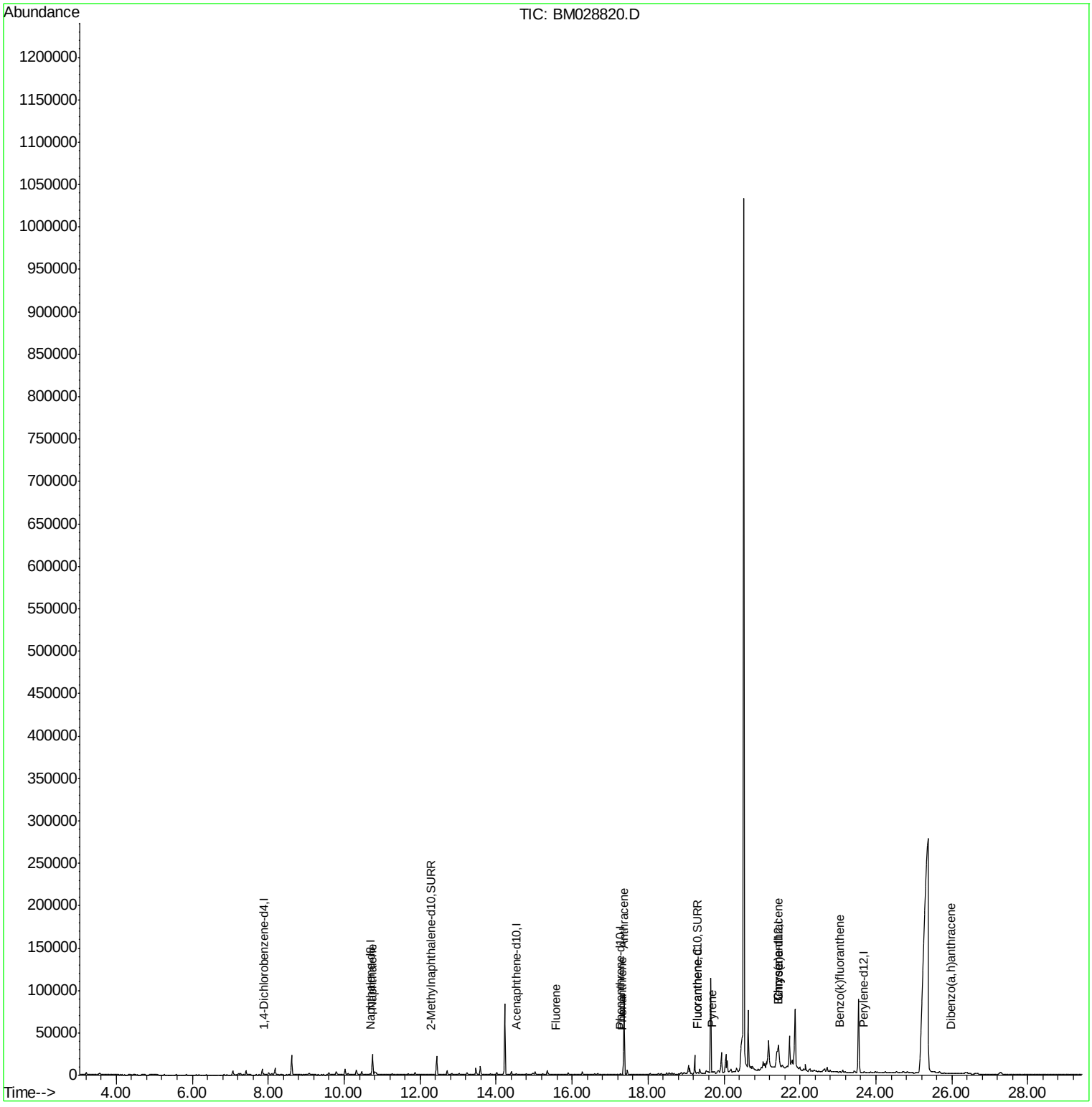
Quantitation Report (QT Reviewed)

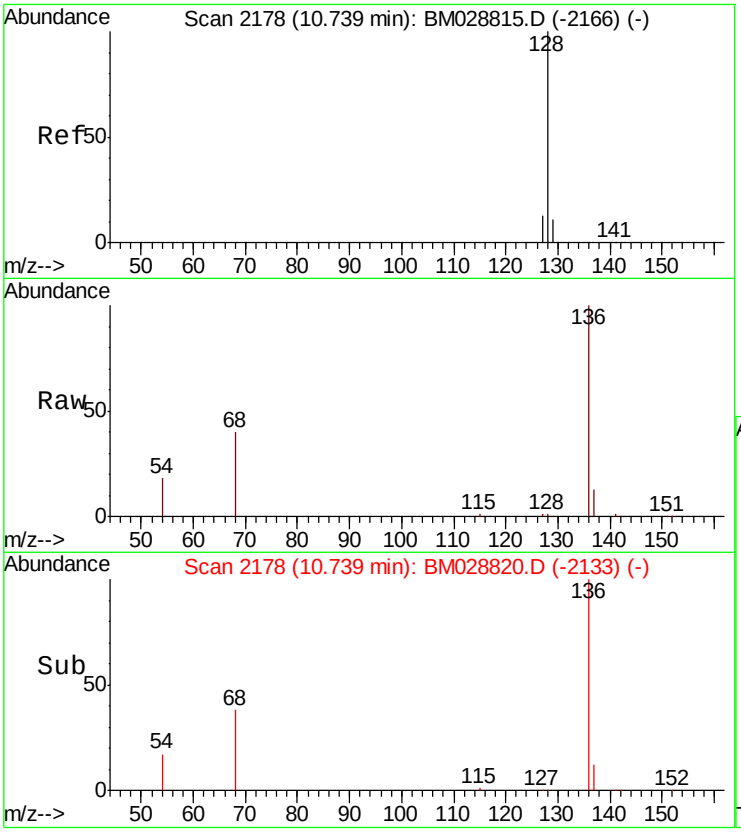
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021821\
Data File : BM028820.D
Acq On : 19 Feb 2021 15:13
Operator : CG/JU
Sample : M1412-24
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Feb 19 16:00:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 10:10:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DBGZ9

Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM





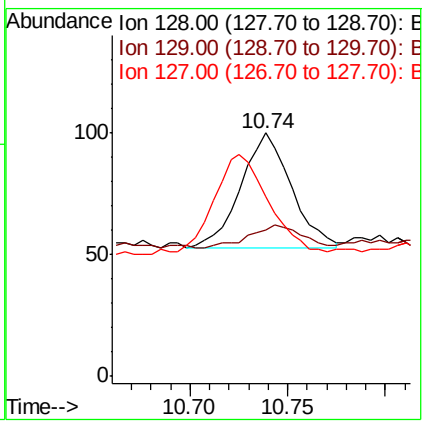
#3
Naphthalene
Concen: 0.023 ng/ul
RT: 10.74 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

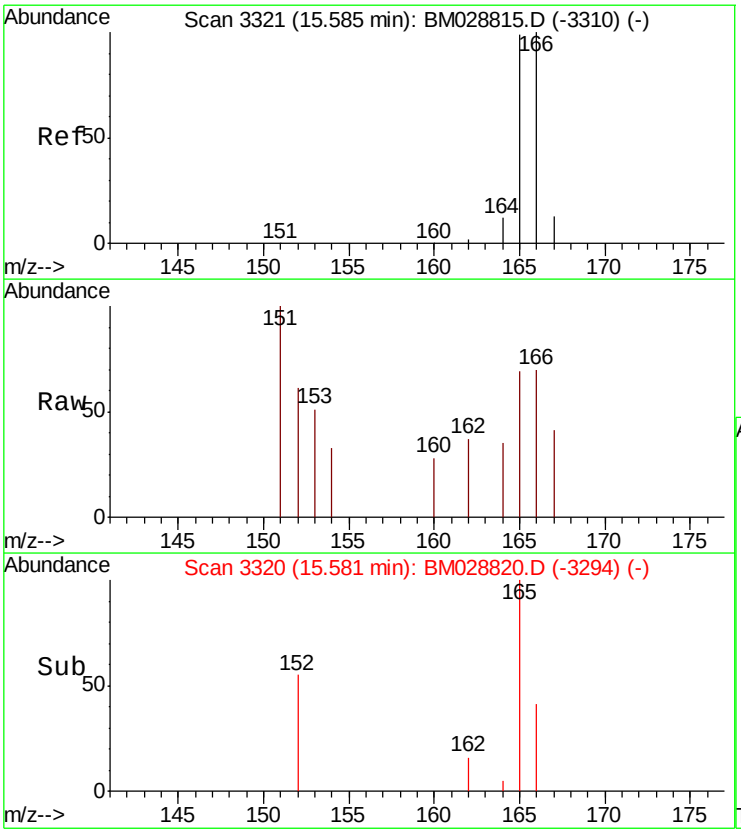
Tgt Ion:128 Resp: 84

Ion	Ratio	Lower	Upper
128	100		
129	60.0	11.4	17.2#
127	74.0	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
DBGZ9

Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM

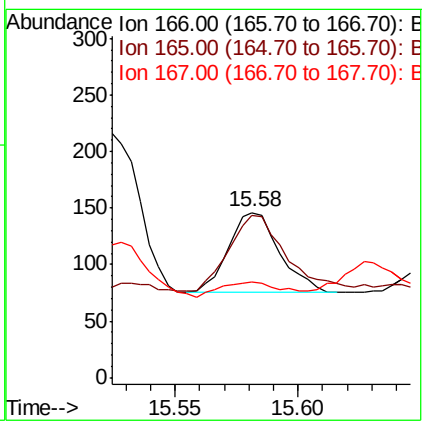


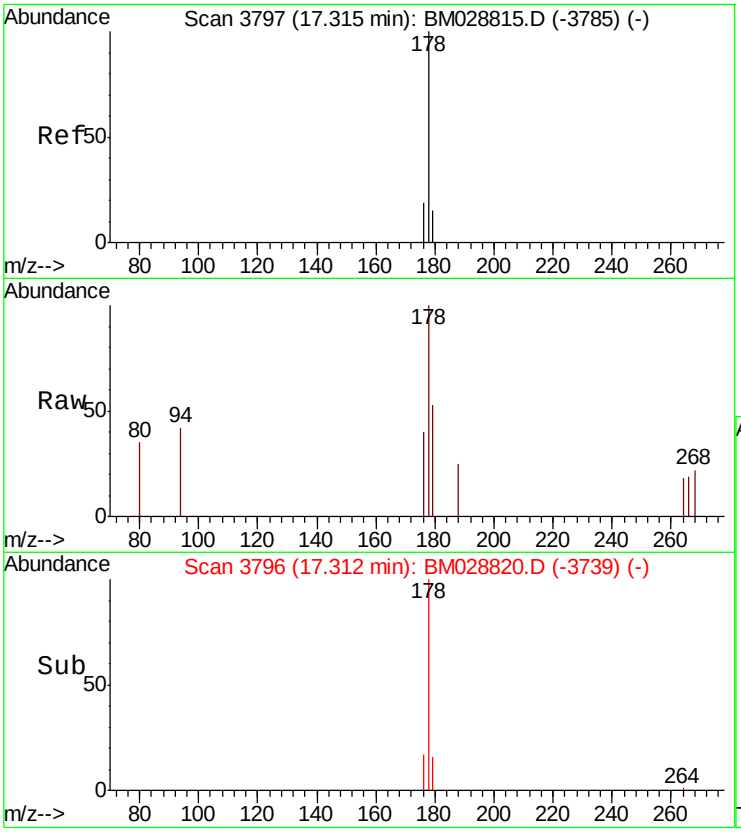


#9
Fluorene
Concen: 0.028 ng/ul
RT: 15.58 min Scan# 3320
Delta R.T. -0.00 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

Tgt Ion:166 Resp: 103

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.6	119.4
167	58.2	13.9	20.9#





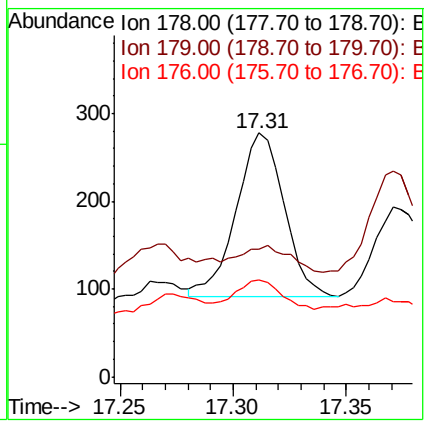
#12
Phenanthrene
Concen: 0.055 ng/ul
RT: 17.31 min Scan# 3796
Delta R.T. -0.00 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

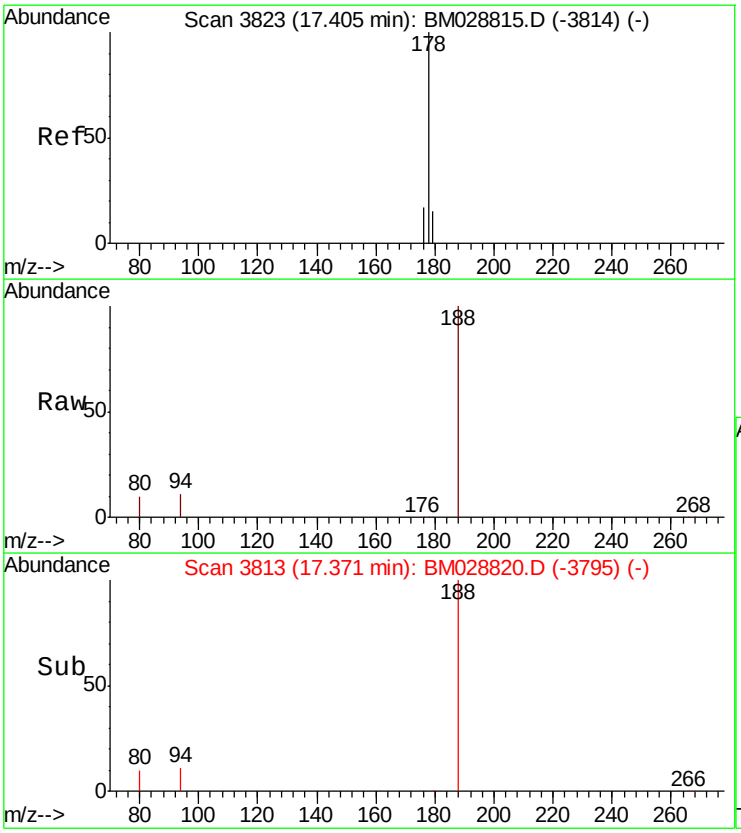
Tgt Ion:178 Resp: 276

Ion	Ratio	Lower	Upper
178	100		
179	52.5	14.7	22.1#
176	39.6	16.7	25.1#

Instrument :
BNA_M
ClientSampleId :
DBGZ9

Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM

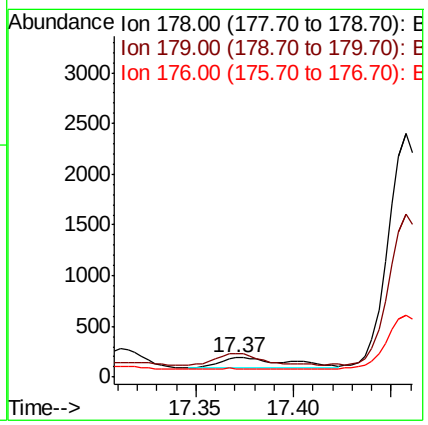


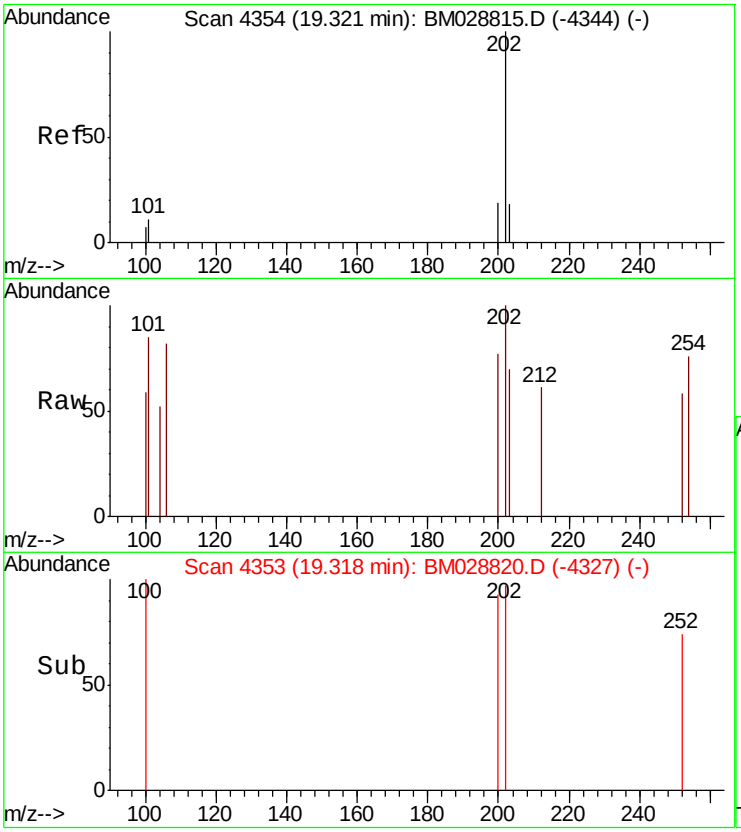


#13
Anthracene
Concen: 0.052 ng/ul
RT: 17.37 min Scan# 3813
Delta R.T. -0.04 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

Tgt Ion:178 Resp: 248

Ion	Ratio	Lower	Upper
178	100		
179	121.2	15.0	22.4#
176	44.0	16.6	24.8#





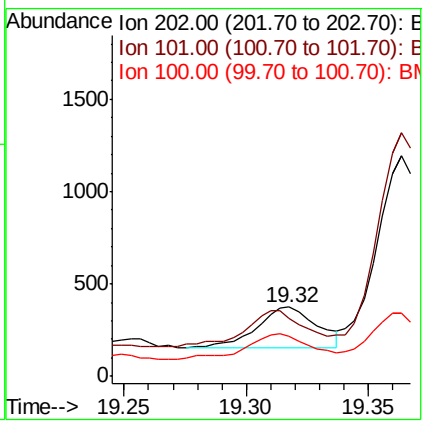
#15
Fluoranthene
Concen: 0.066 ng/ul
RT: 19.32 min Scan# 4353
Delta R.T. 0.00 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

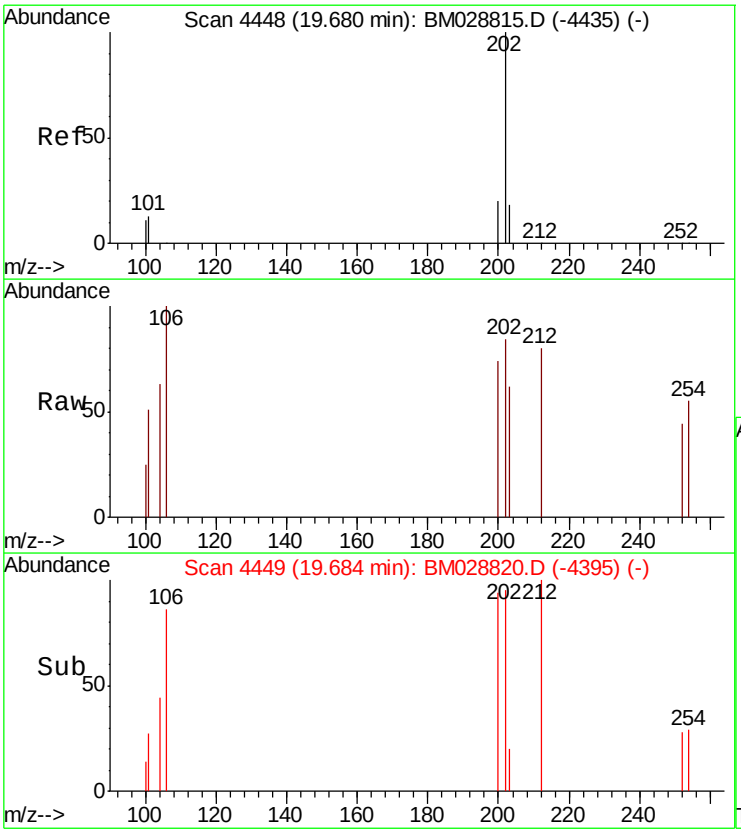
Tgt Ion:202 Resp: 377

Ion	Ratio	Lower	Upper
202	100		
101	84.8	0.0	34.5#
100	58.8	0.0	31.7#

Instrument :
BNA_M
ClientSampleId :
DBGZ9

Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM

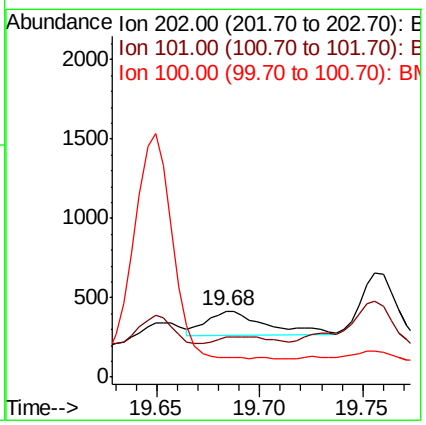


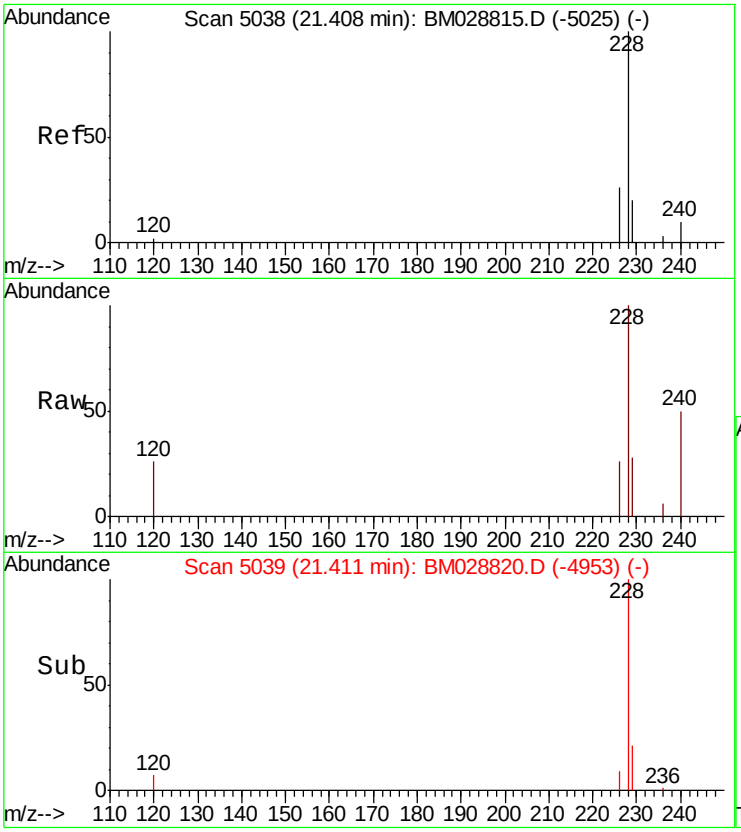


#17
Pyrene
Concen: 0.031 ng/ul
RT: 19.68 min Scan# 4449
Delta R.T. 0.00 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

Tgt Ion:202 Resp: 307

Ion	Ratio	Lower	Upper
202	100		
101	60.2	12.7	19.1#
100	30.2	10.2	15.4#

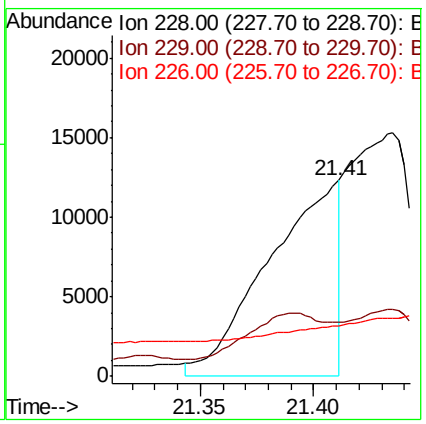




#18
Benzo(a)anthracene
Concen: 2.803 ng/ul m
RT: 21.41 min Scan# 5039
Delta R.T. 0.01 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

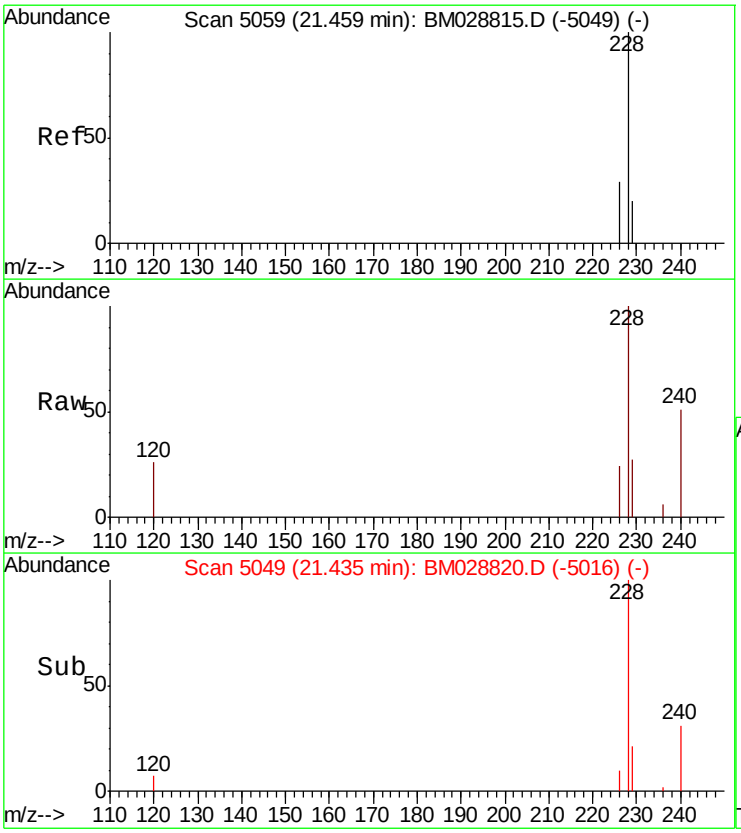
Tgt Ion:228 Resp: 26478

Ion	Ratio	Lower	Upper
228	100		
229	27.6	18.9	28.3
226	25.7	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
DBGZ9

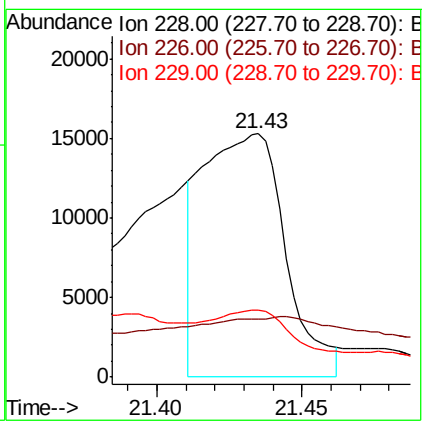
Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM

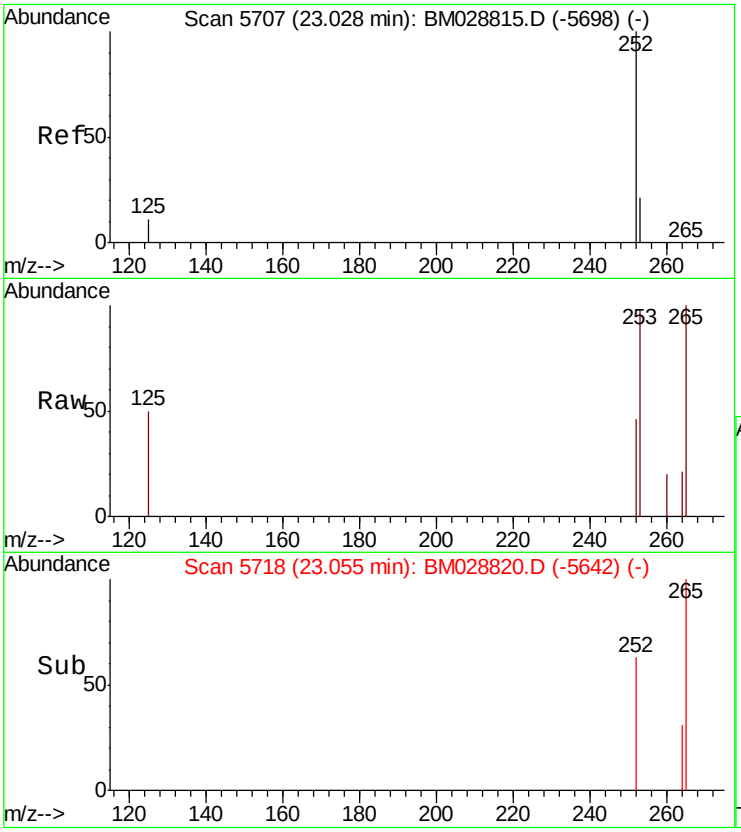


#19
Chrysene
Concen: 3.216 ng/ul m
RT: 21.43 min Scan# 5049
Delta R.T. -0.02 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

Tgt Ion:228 Resp: 30199

Ion	Ratio	Lower	Upper
228	100		
226	23.9	24.6	37.0#
229	27.5	18.8	28.2





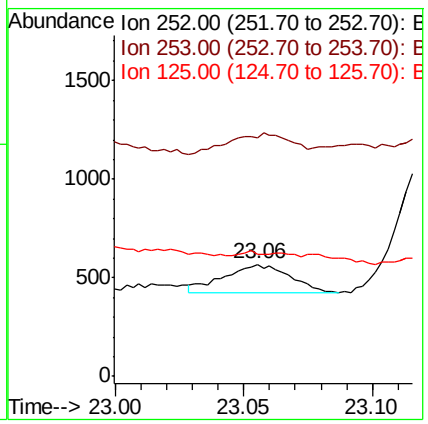
#22
Benzo(k)fluoranthene
Concen: 0.050 ng/ul
RT: 23.06 min Scan# 5718
Delta R.T. 0.03 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

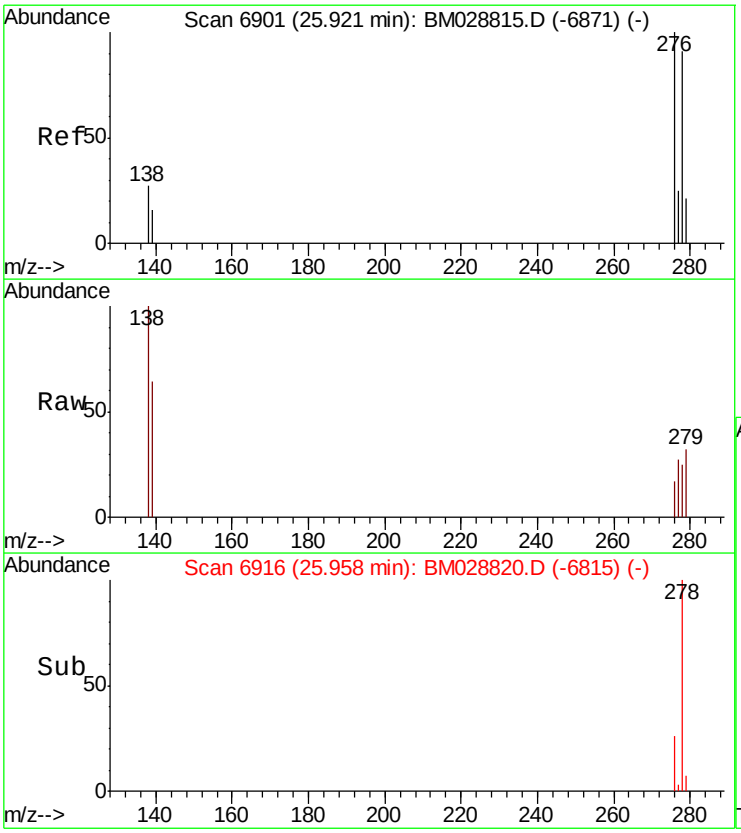
Instrument :
BNA_M
ClientSampleId :
DBGZ9

Manual Integrations APPROVED
mohammad
2/22/2021 2:07:49 PM

Tgt Ion:252 Resp: 252

Ion	Ratio	Lower	Upper
252	100		
253	213.6	26.3	39.5#
125	108.8	22.9	34.3#





#25
Dibenzo(a,h)anthracene
Concen: 0.042 ng/ul
RT: 25.96 min Scan# 6916
Delta R.T. 0.05 min
Lab File: BM028820.D
Acq: 19 Feb 2021 15:13

Tgt Ion:278 Resp: 209

Ion	Ratio	Lower	Upper
278	100		
139	254.5	24.9	37.3#
279	128.5	28.3	42.5#