Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
Data File : BE093218.D
Acq On : 15 Jun 2017 21:07
Operator : SJ/MA
Sample : I3521-01DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

Quant Time: Jun 16 05:18:57 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2695	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13612	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8062	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19651	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21359	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	19464	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1079	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	2948	0.06	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	975	0.029	ng/ul#	84
7) Acenaphthylene	14.09	152	6107	0.177	ng/ul	98
12) Phenanthrene	17.14	178	13385	0.248	ng/ul#	86
13) Anthracene	17.22	178	9862	0.209	ng/ul#	88
15) Fluoranthene	19.16	202	88580	1.336	ng/ul	83
17) Pyrene	19.52	202	100100	1.589	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	53963	0.947	ng/ul#	85
19) Chrysene	21.30	228	62867	1.064	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	100430m	1.700	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	33715m	0.537	ng/ul	
23) Benzo(a)pyrene	23.55	252	45765	0.819	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	30036	0.464	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.20	278	8214	0.151	ng/ul#	86
26) Benzo(g,h,i)perylene	26.96	276	23850	0.430	ng/ul	97

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

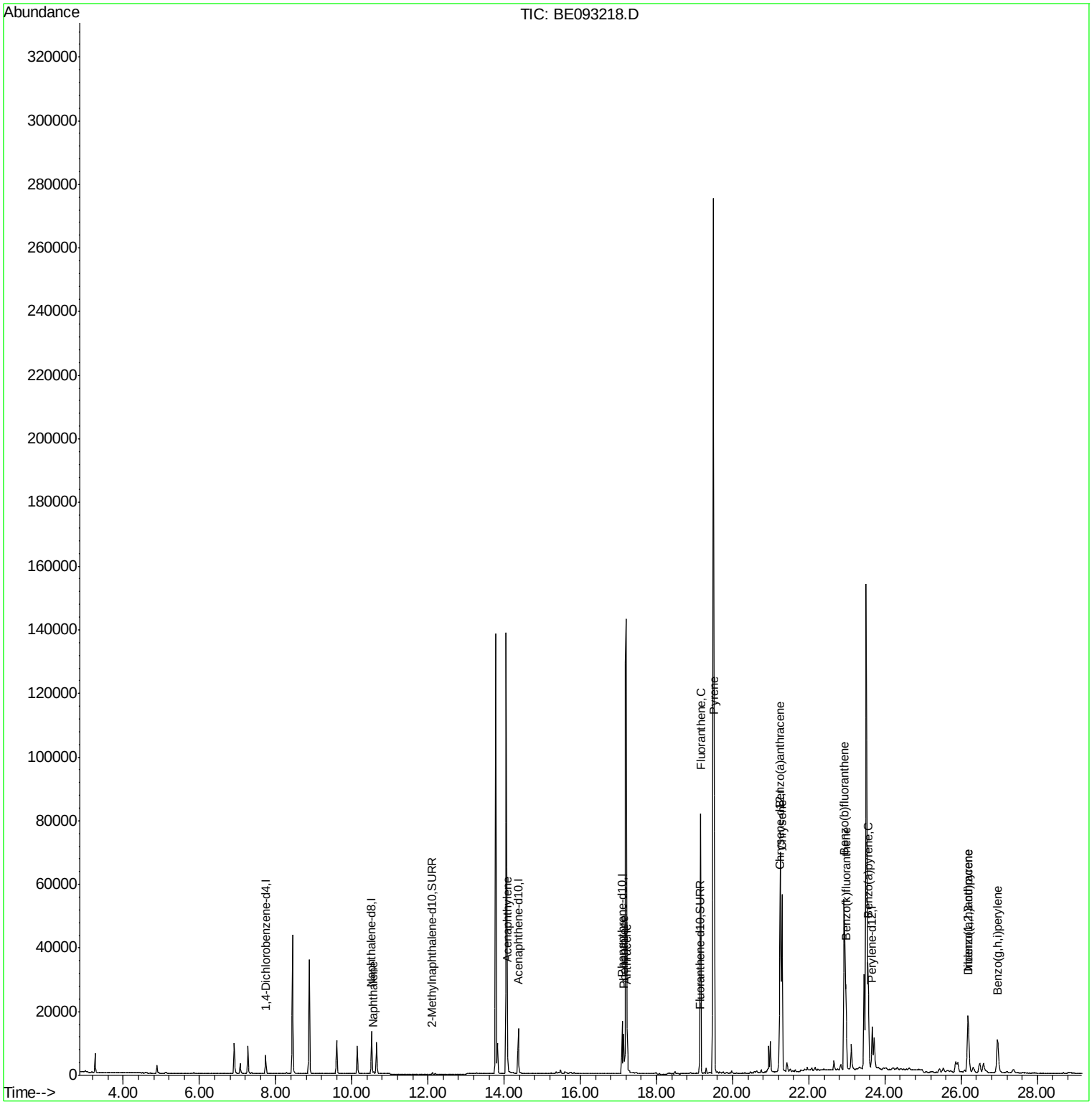
Quantitation Report (QT Reviewed)

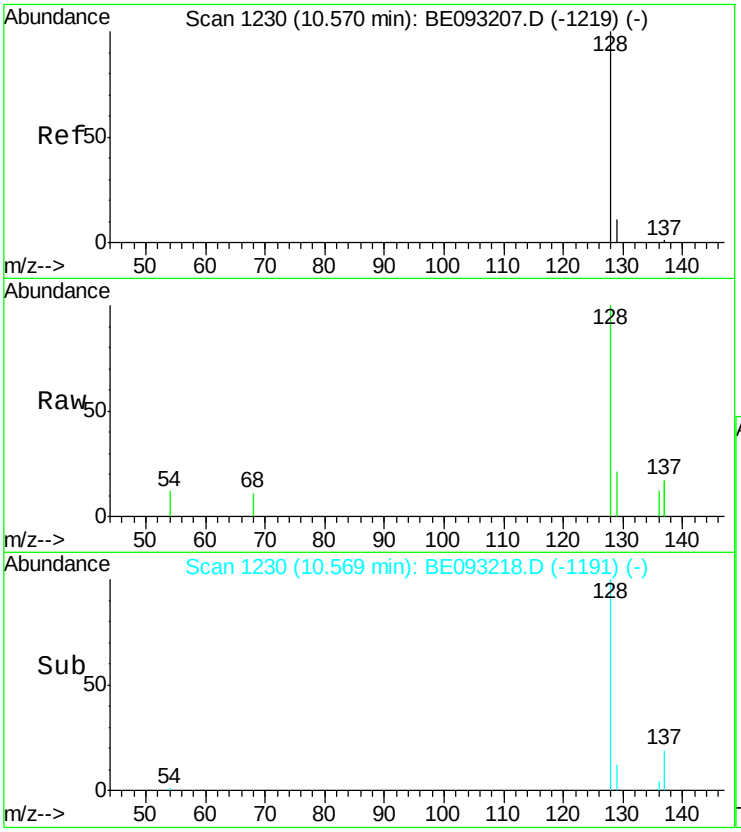
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
Data File : BE093218.D
Acq On : 15 Jun 2017 21:07
Operator : SJ/MA
Sample : I3521-01DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 16 05:18:57 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM





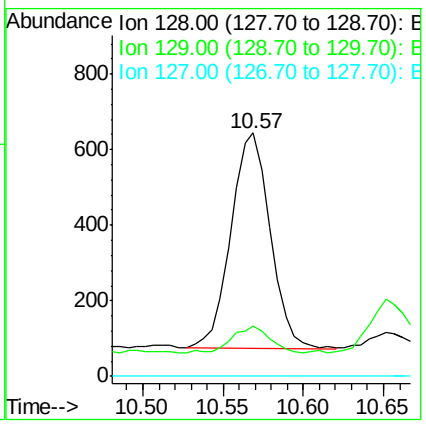
#3
Naphthalene
Concen: 0.029 ng/ul
RT: 10.57 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

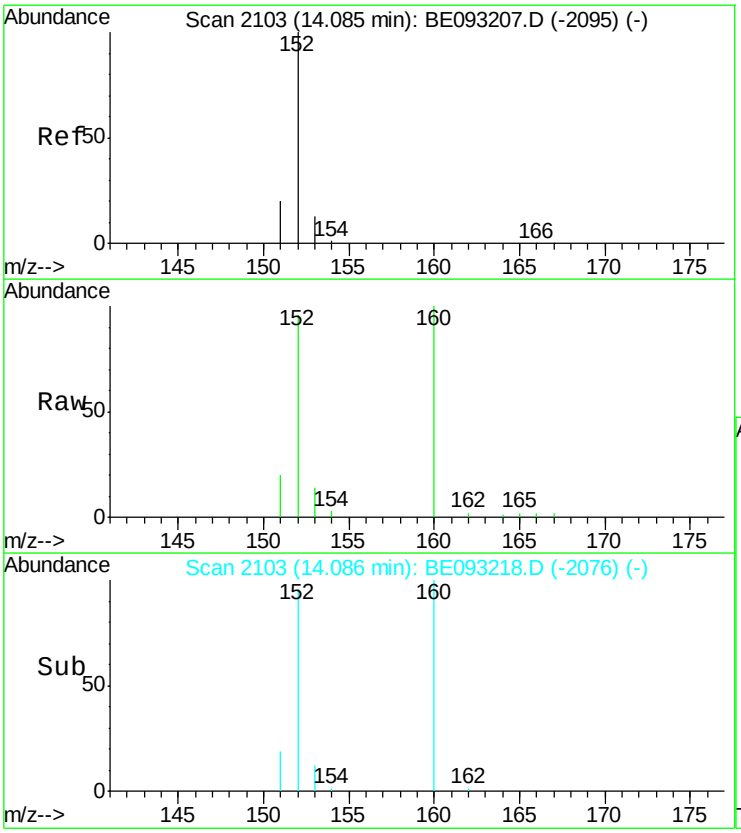
Tgt Ion:128 Resp: 975

Ion	Ratio	Lower	Upper
128	100		
129	20.8	11.3	16.9#
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

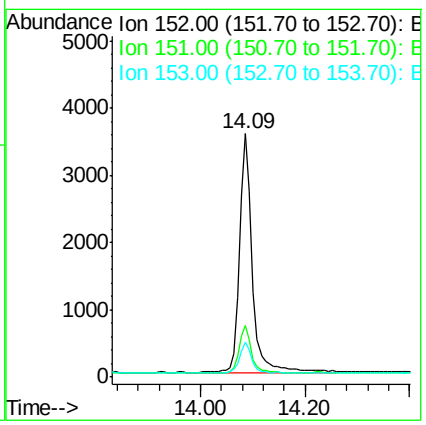


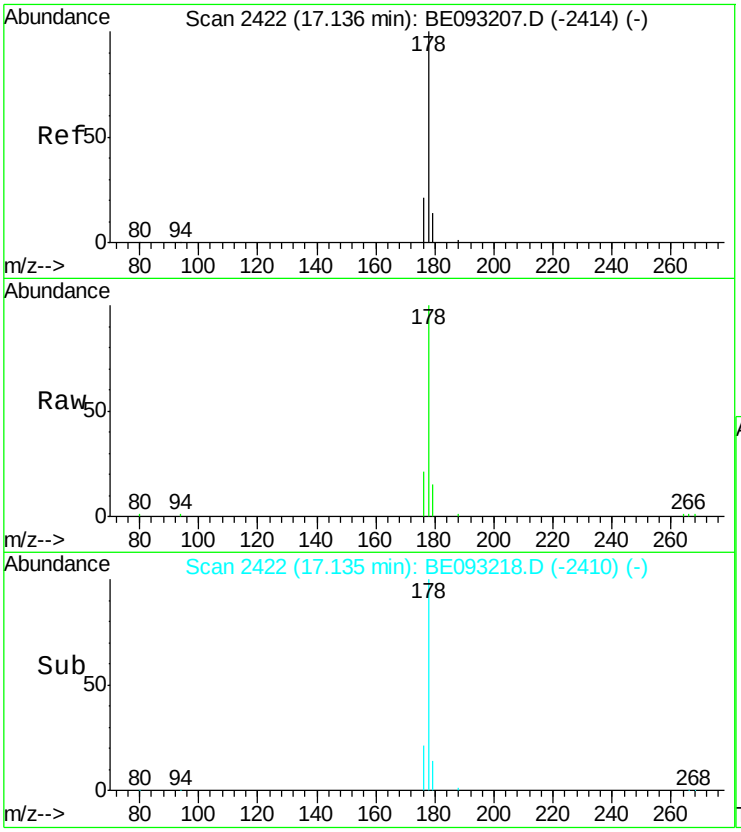


#7
Acenaphthylene
Concen: 0.177 ng/ul
RT: 14.09 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:152 Resp: 6107

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.1	25.7
153	14.2	12.8	19.2





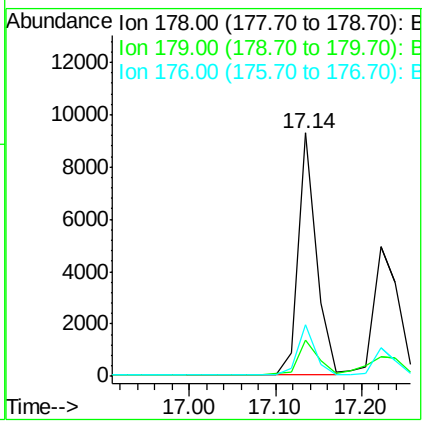
#12
Phenanthrene
Concen: 0.248 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

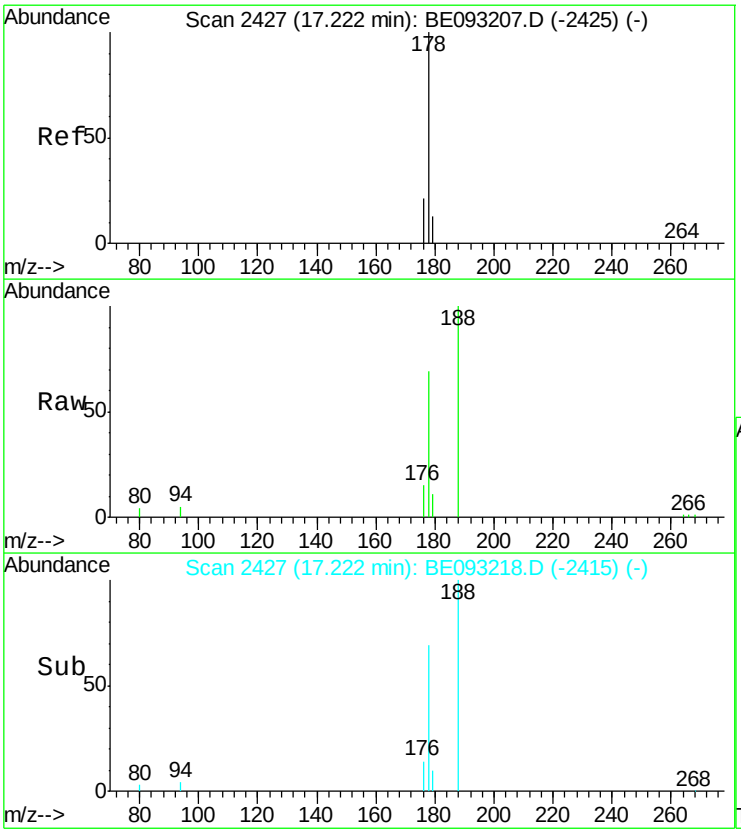
Tgt Ion:178 Resp: 13385

Ion	Ratio	Lower	Upper
178	100		
179	14.9	18.4	27.6#
176	21.0	13.6	20.4#

Instrument :
BNA_E
ClientSampleId :
F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

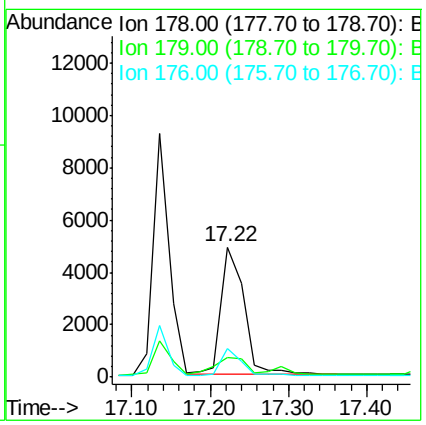


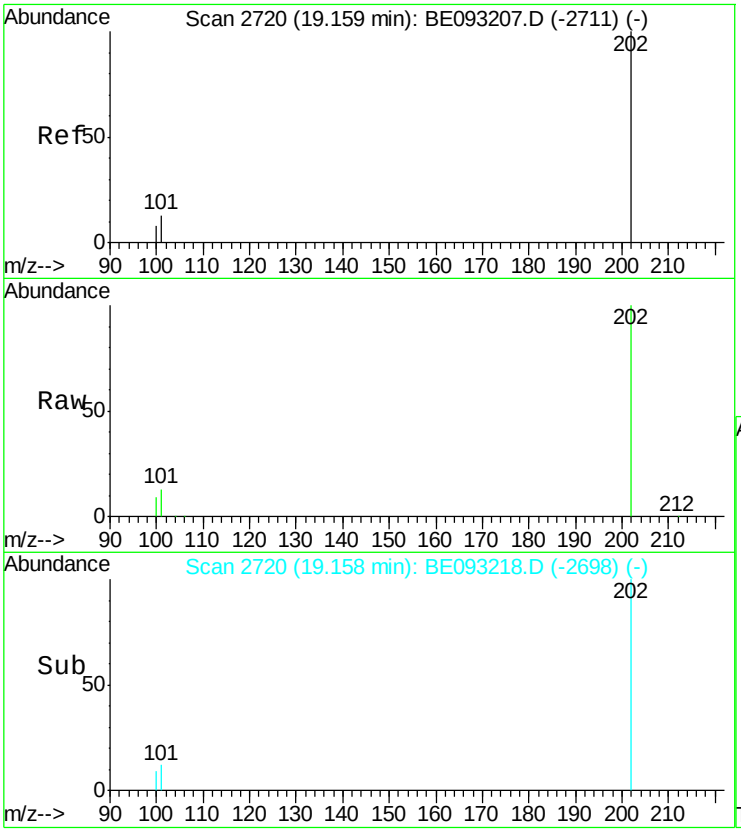


#13
Anthracene
Concen: 0.209 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:178 Resp: 9862

Ion	Ratio	Lower	Upper
178	100		
179	15.5	18.1	27.1#
176	21.9	14.7	22.1

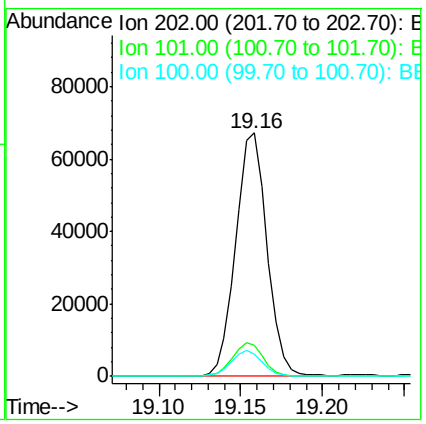




#15
Fluoranthene
Concen: 1.336 ng/ul
RT: 19.16 min Scan# 2720
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

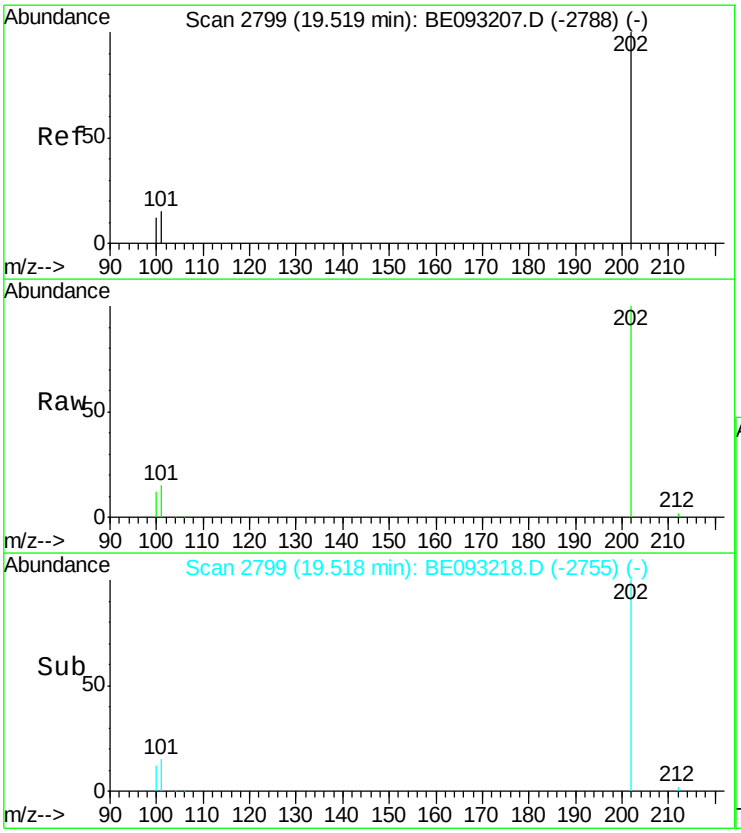
Tgt Ion:202 Resp: 88580

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.3
100	9.1	0.0	39.5



Instrument :
BNA_E
ClientSampleId :
F5B88DL

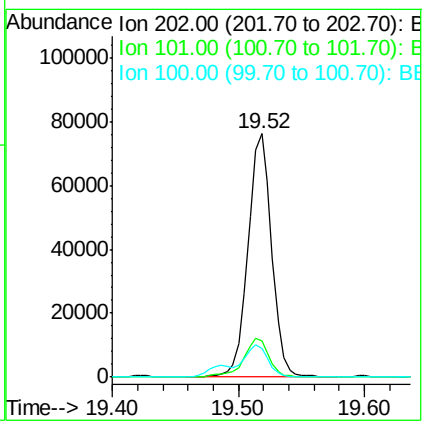
Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

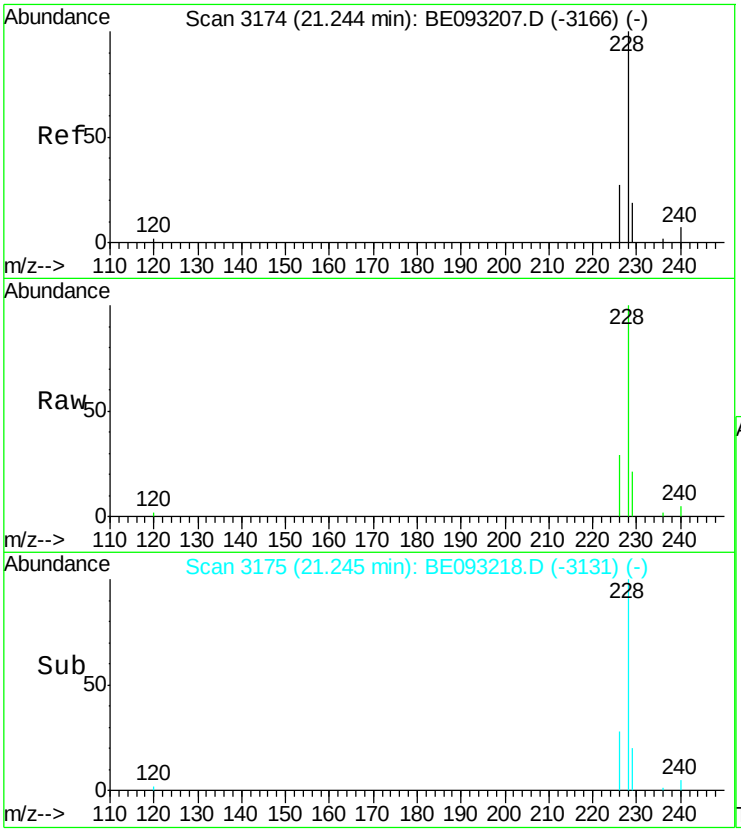


#17
Pyrene
Concen: 1.589 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:202 Resp: 100100

Ion	Ratio	Lower	Upper
202	100		
101	14.7	18.2	27.4#
100	11.7	15.6	23.4#





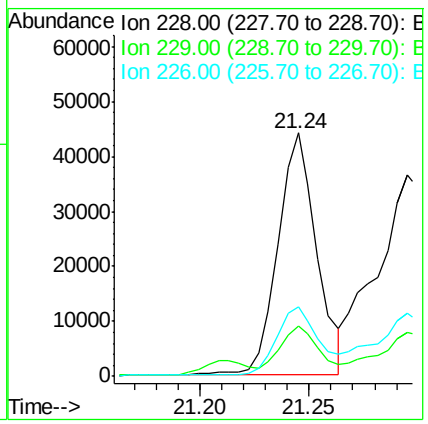
#18
Benzo(a)anthracene
Concen: 0.947 ng/ul
RT: 21.24 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

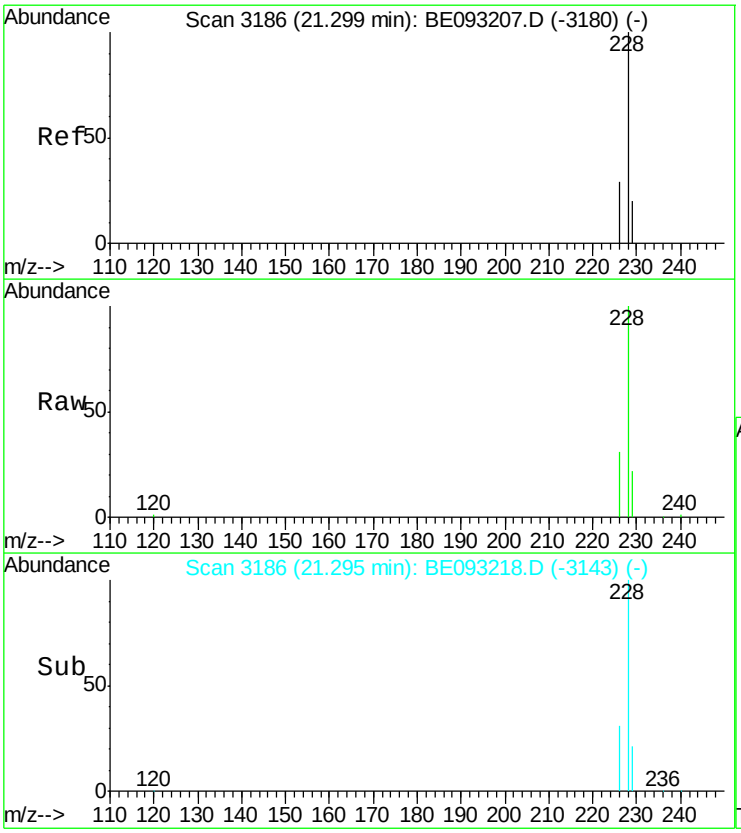
Tgt Ion:228 Resp: 53963

Ion	Ratio	Lower	Upper
228	100		
229	20.9	22.8	34.2#
226	28.6	17.0	25.6#

Instrument :
BNA_E
ClientSampleId :
F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

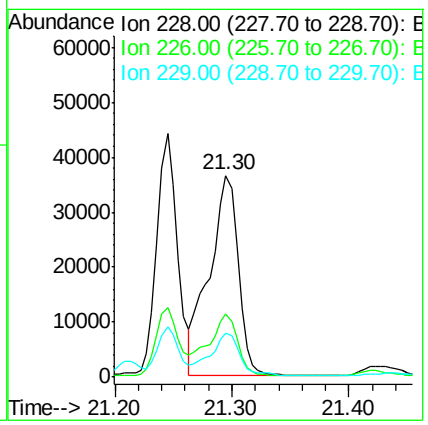


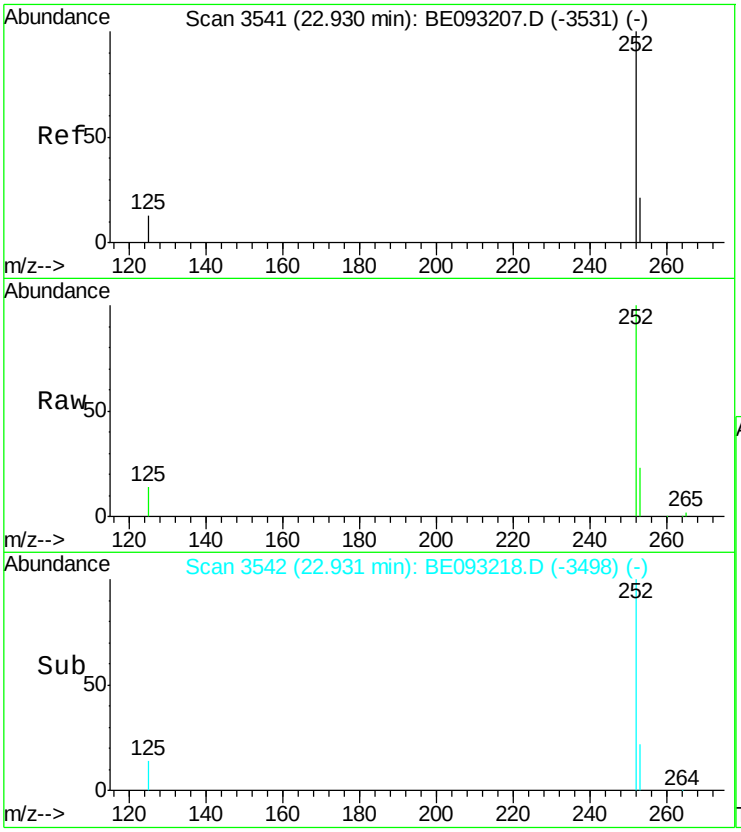


#19
Chrysene
Concen: 1.064 ng/ul
RT: 21.30 min Scan# 3186
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:228 Resp: 62867

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.0
229	21.7	17.7	26.5

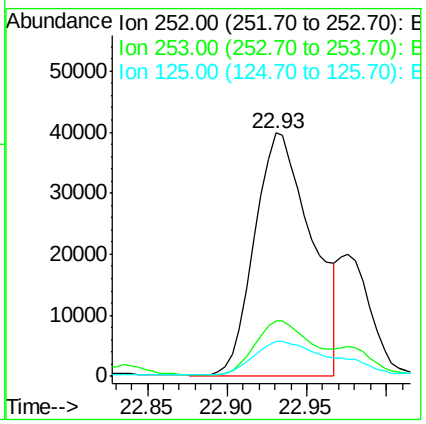




#21
Benzo(b)fluoranthene
Concen: 1.700 ng/ul m
RT: 22.93 min Scan# 3542
Delta R.T. 0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

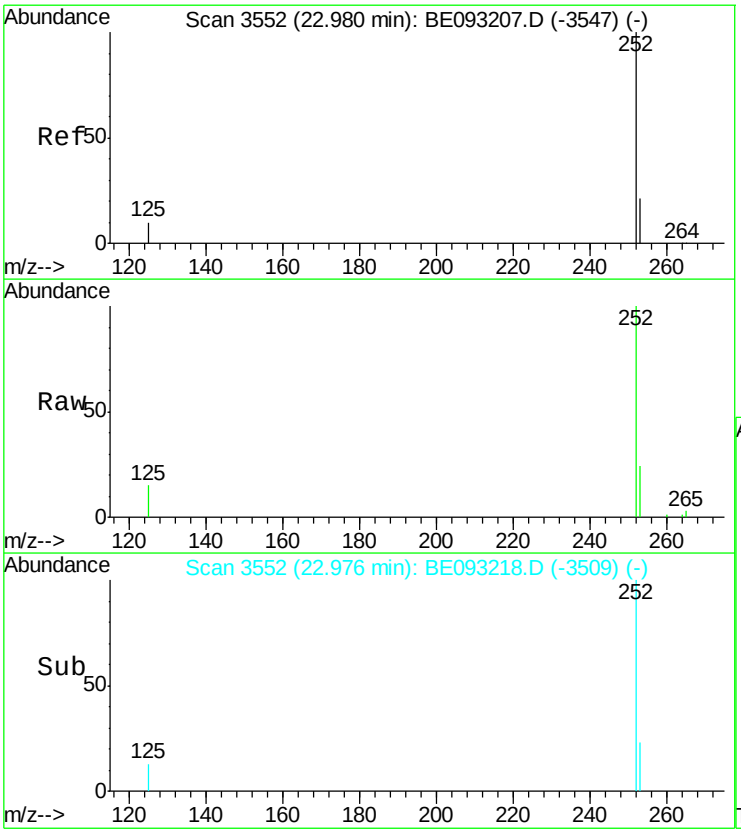
Tgt Ion:252 Resp: 100430

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	64.2
125	14.4	0.0	35.0



Instrument :
BNA_E
ClientSampleId :
F5B88DL

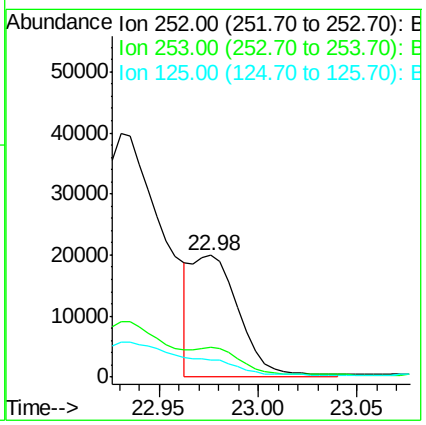
Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

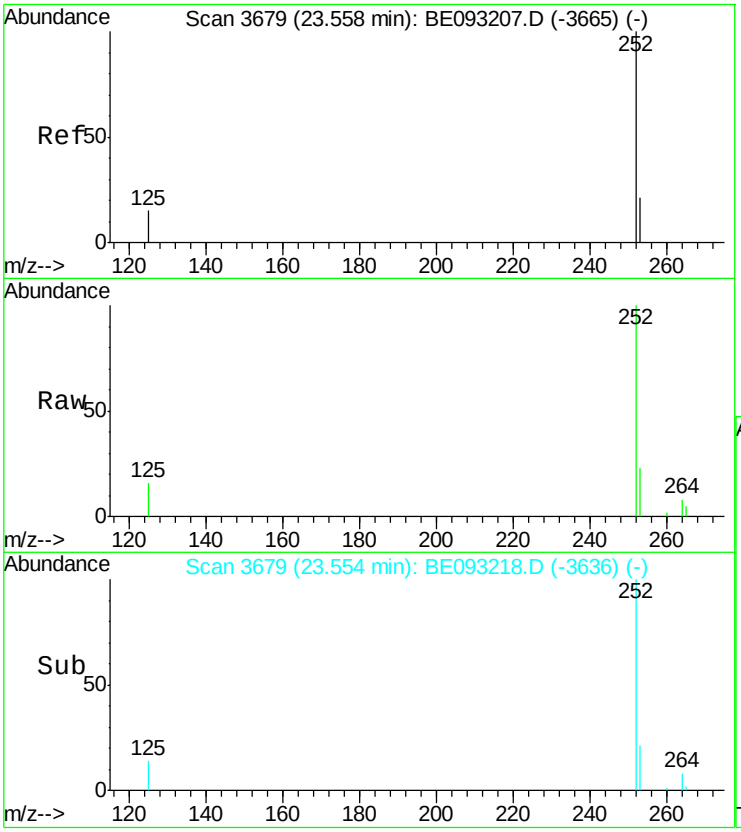


#22
Benzo(k)fluoranthene
Concen: 0.537 ng/ul m
RT: 22.98 min Scan# 3552
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:252 Resp: 33715

Ion	Ratio	Lower	Upper
252	100		
253	24.2	24.5	36.7#
125	14.5	13.7	20.5





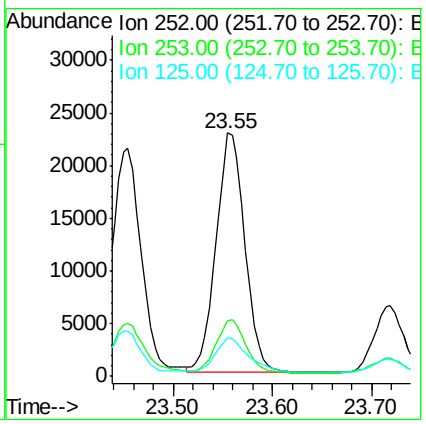
#23
Benzo(a)pyrene
Concen: 0.819 ng/ul
RT: 23.55 min Scan# 3679
Delta R.T. -0.00 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

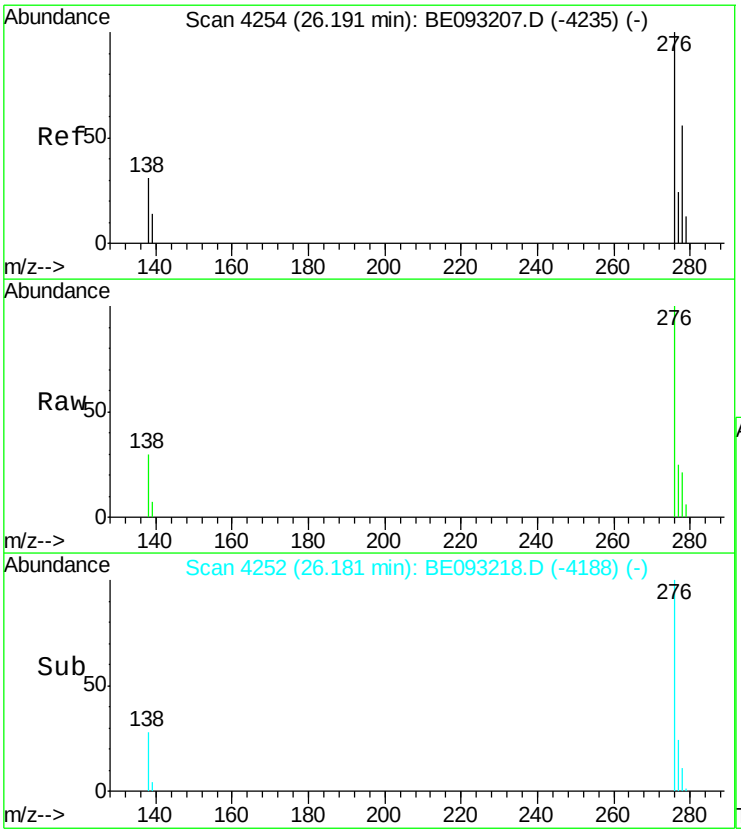
Tgt Ion:252 Resp: 45765

Ion	Ratio	Lower	Upper
252	100		
253	22.9	28.5	42.7#
125	16.0	18.1	27.1#

Instrument :
BNA_E
ClientSampleId :
F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM

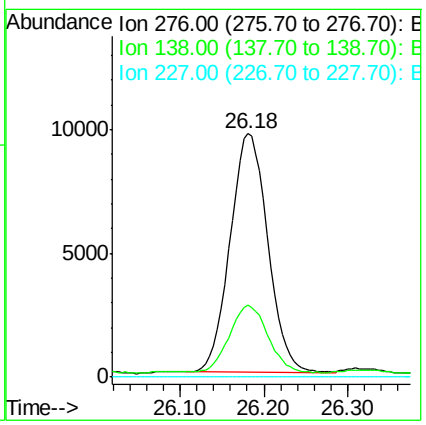


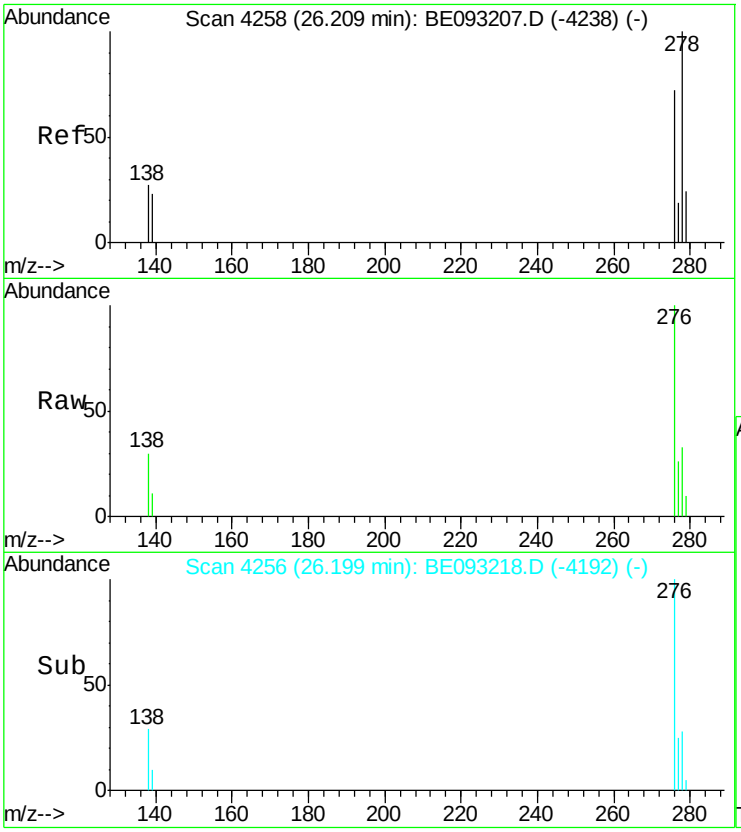


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.464 ng/ul
RT: 26.18 min Scan# 4252
Delta R.T. -0.01 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:276 Resp: 30036

Ion	Ratio	Lower	Upper
276	100		
138	29.3	28.0	42.0
227	0.0	8.0	12.0#





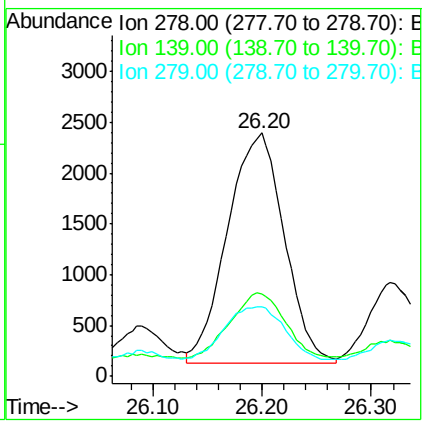
#25
Dibenzo(a,h)anthracene
Concen: 0.151 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.01 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

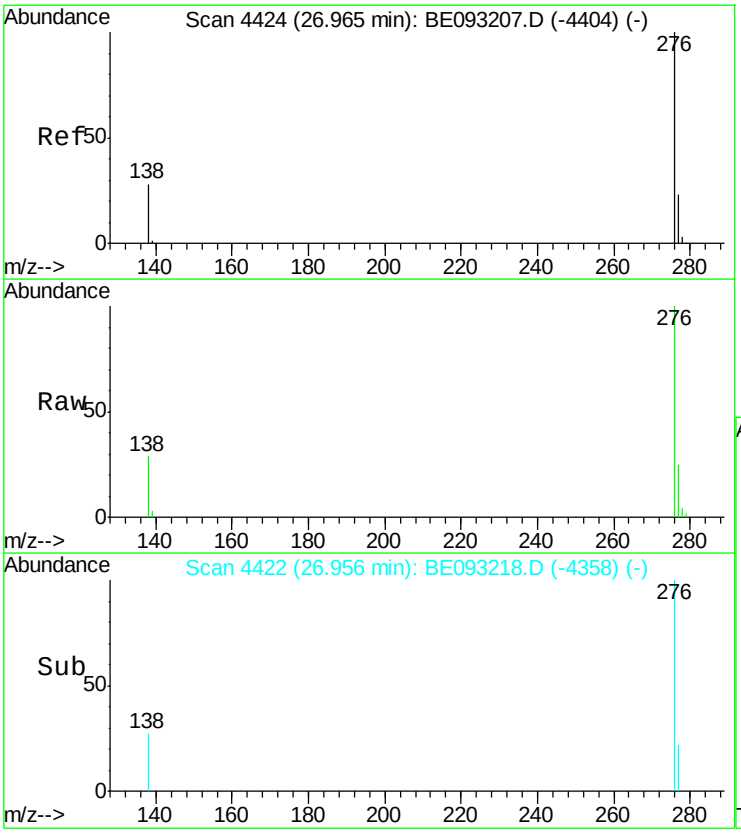
Tgt Ion:278 Resp: 8214

Ion	Ratio	Lower	Upper
278	100		
139	33.8	17.4	26.0#
279	28.7	25.9	38.9

Instrument :
BNA_E
ClientSampleId :
F5B88DL

Manual Integrations APPROVED
mohammad
6/19/2017 11:06:48 AM





#26
Benzo(g,h,i)perylene
Concen: 0.430 ng/ul
RT: 26.96 min Scan# 4422
Delta R.T. -0.01 min
Lab File: BE093218.D
Acq: 15 Jun 2017 21:07

Tgt Ion:276 Resp: 23850

Ion	Ratio	Lower	Upper
276	100		
138	29.5	21.8	32.8
277	24.5	20.5	30.7