Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060817\
Data File : BE093077.D
Acq On : 8 Jun 2017 12:48
Operator : SJ/MA
Sample : MDL-W-2
Misc : 0.07 PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

Quant Time: Jun 08 13:31:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 13:24:15 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	3865	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8787	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	24291	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	25676	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	21842	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	9557	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	23179	0.35	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	2400	0.055	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	1475	0.049	ng/ul	97
7) Acenaphthylene	14.09	152	1738	0.046	ng/ul	94
8) Acenaphthene	14.43	153	1612	0.053	ng/ul	96
9) Fluorene	15.42	166	1750	0.049	ng/ul	92
11) Pentachlorophenol	16.75	266	127	0.035	ng/ul#	72
12) Phenanthrene	17.14	178	3582m	0.054	ng/ul	
13) Anthracene	17.24	178	2876	0.049	ng/ul	99
15) Fluoranthene	19.16	202	3942	0.048	ng/ul	84
17) Pyrene	19.52	202	4087	0.054	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	3237	0.047	ng/ul#	85
19) Chrysene	21.30	228	3881	0.055	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	3147	0.047	ng/ul	91
22) Benzo(k)fluoranthene	22.98	252	3597	0.051	ng/ul#	93
23) Benzo(a)pyrene	23.56	252	2783	0.044	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	26.18	276	3543	0.049	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.21	278	2911	0.048	ng/ul#	87
26) Benzo(g,h,i)perylene	26.95	276	3240	0.052	ng/ul#	89

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

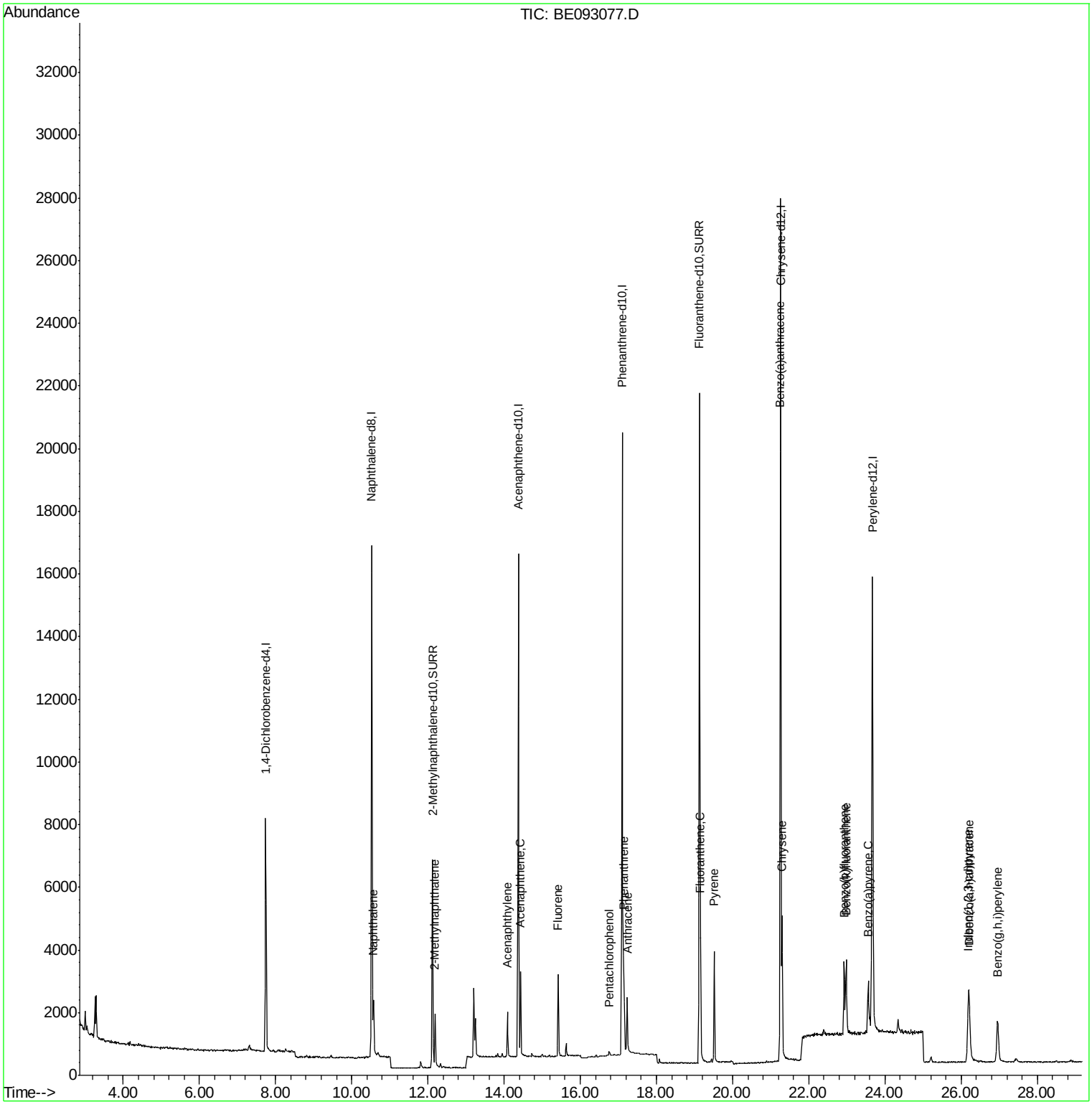
Quantitation Report (QT Reviewed)

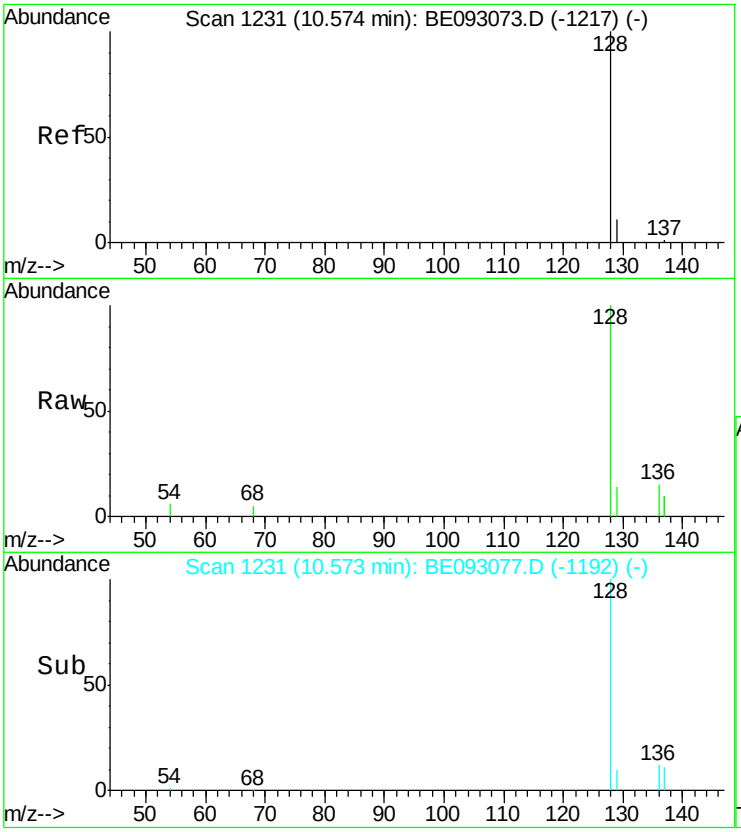
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060817\
Data File : BE093077.D
Acq On : 8 Jun 2017 12:48
Operator : SJ/MA
Sample : MDL-W-2
Misc : 0.07 PPM
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 08 13:31:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 13:24:15 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

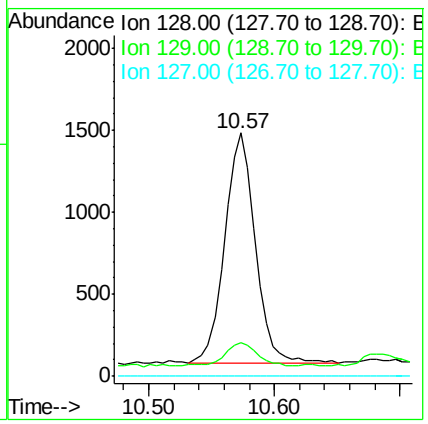




#3
Naphthalene
Concen: 0.055 ng/ul
RT: 10.57 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

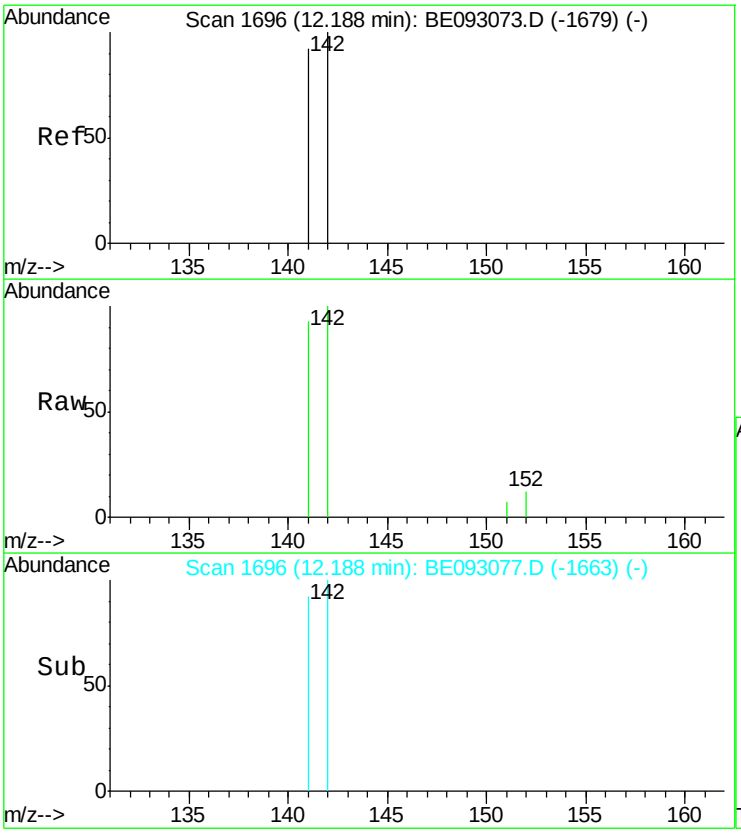
Tgt Ion:128 Resp: 2400

Ion	Ratio	Lower	Upper
128	100		
129	13.6	11.3	16.9
127	0.0	4.0	6.0#



Instrument :
BNA_E
ClientSampleId :
MDL-W-2

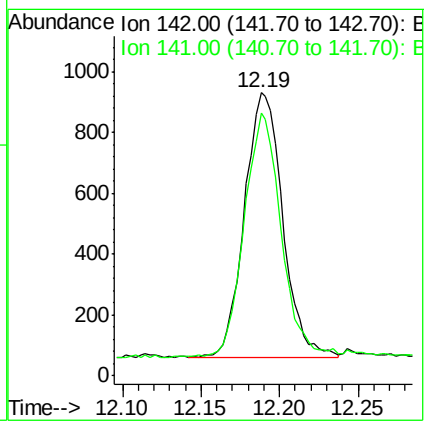
Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

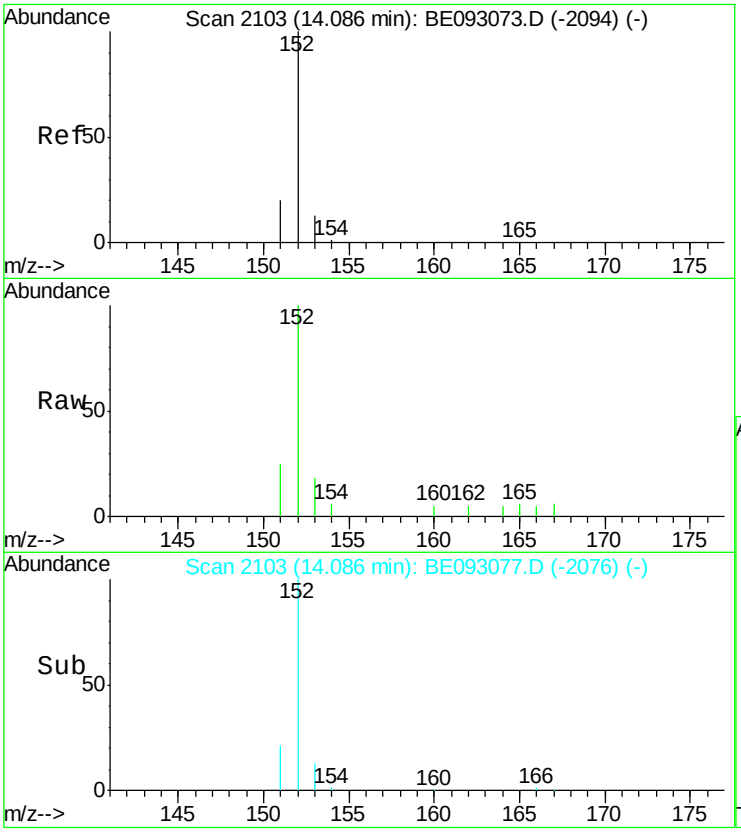


#5
2-Methylnaphthalene
Concen: 0.049 ng/ul
RT: 12.19 min Scan# 1696
Delta R.T. 0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:142 Resp: 1475

Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.6	108.8





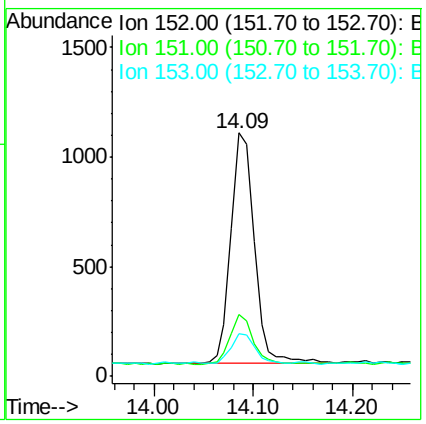
#7
Acenaphthylene
Concen: 0.046 ng/ul
RT: 14.09 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

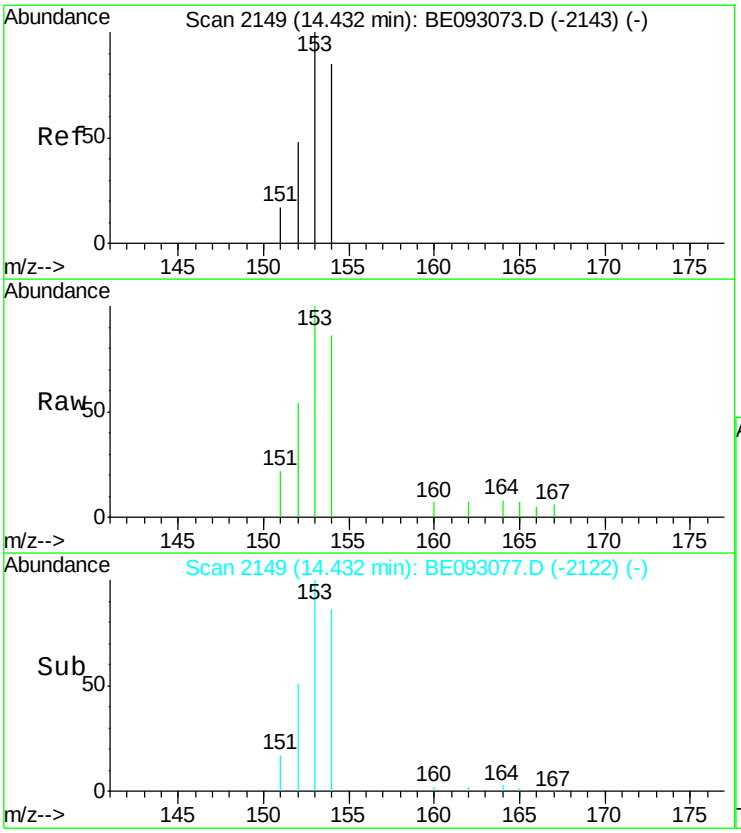
Tgt Ion:152 Resp: 1738

Ion	Ratio	Lower	Upper
152	100		
151	25.3	17.1	25.7
153	17.6	12.8	19.2

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

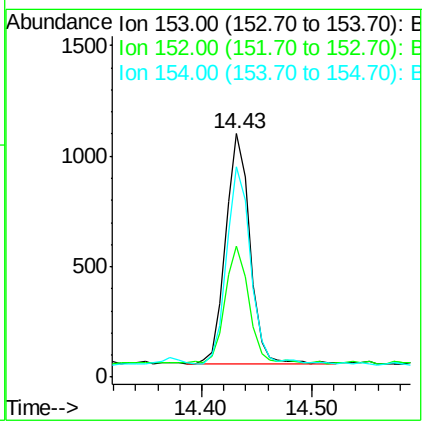


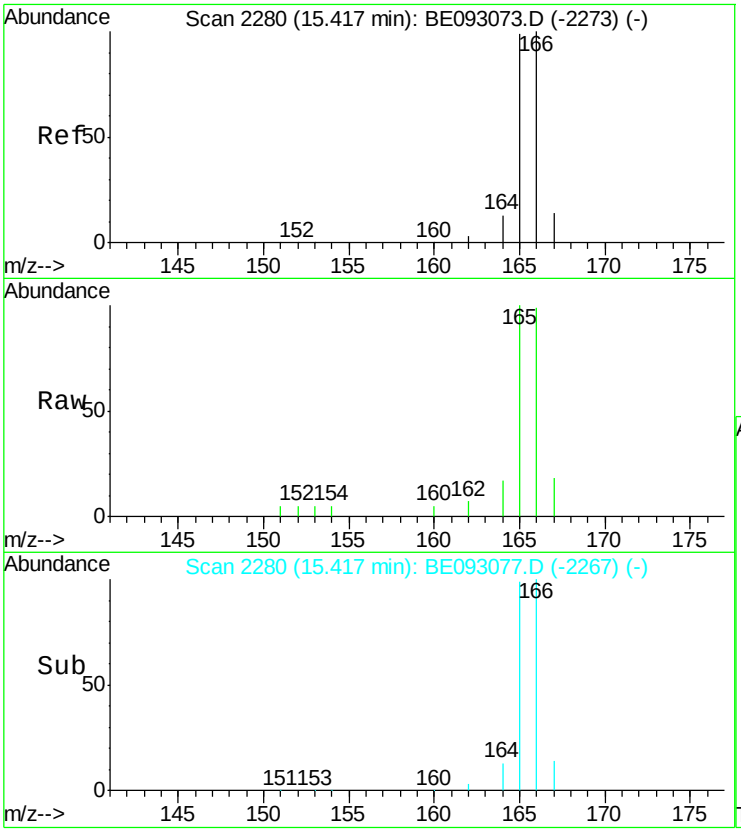


#8
Acenaphthene
Concen: 0.053 ng/ul
RT: 14.43 min Scan# 2149
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:153 Resp: 1612

Ion	Ratio	Lower	Upper
153	100		
152	53.7	40.3	60.5
154	86.3	71.4	107.2

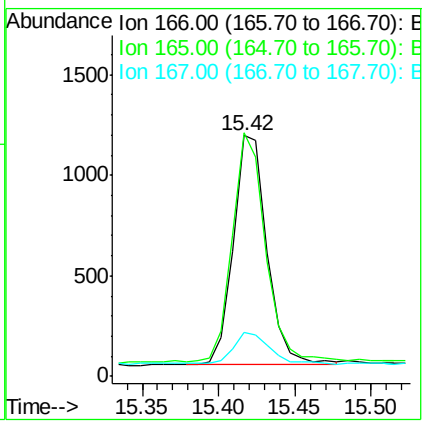




#9
Fluorene
Concen: 0.049 ng/ul
RT: 15.42 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

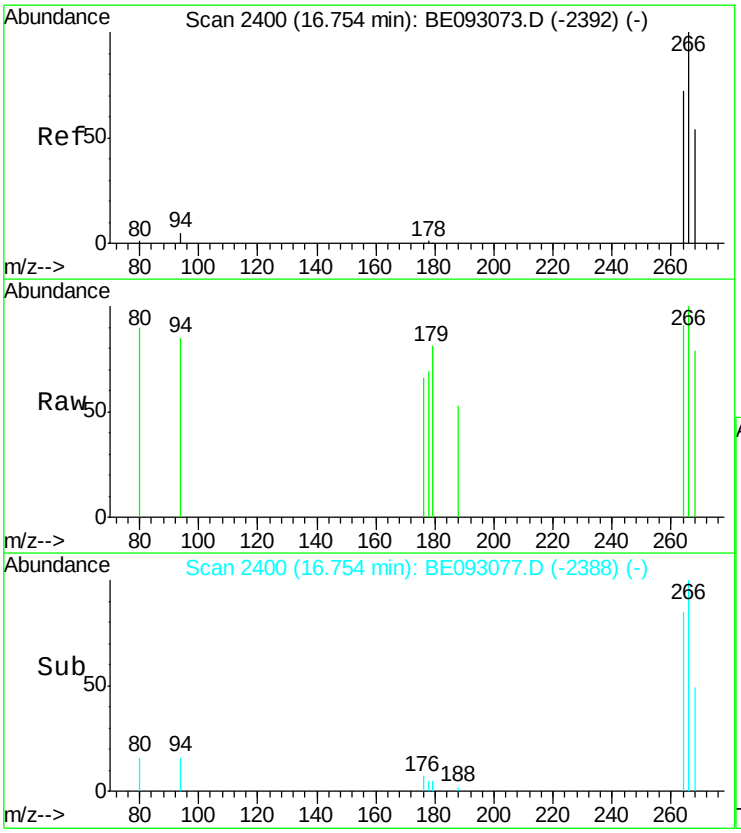
Tgt Ion:166 Resp: 1750

Ion	Ratio	Lower	Upper
166	100		
165	101.1	73.4	110.2
167	18.3	14.6	22.0



Instrument :
BNA_E
ClientSampleId :
MDL-W-2

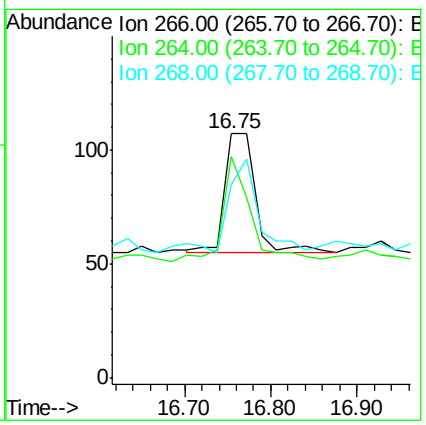
Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

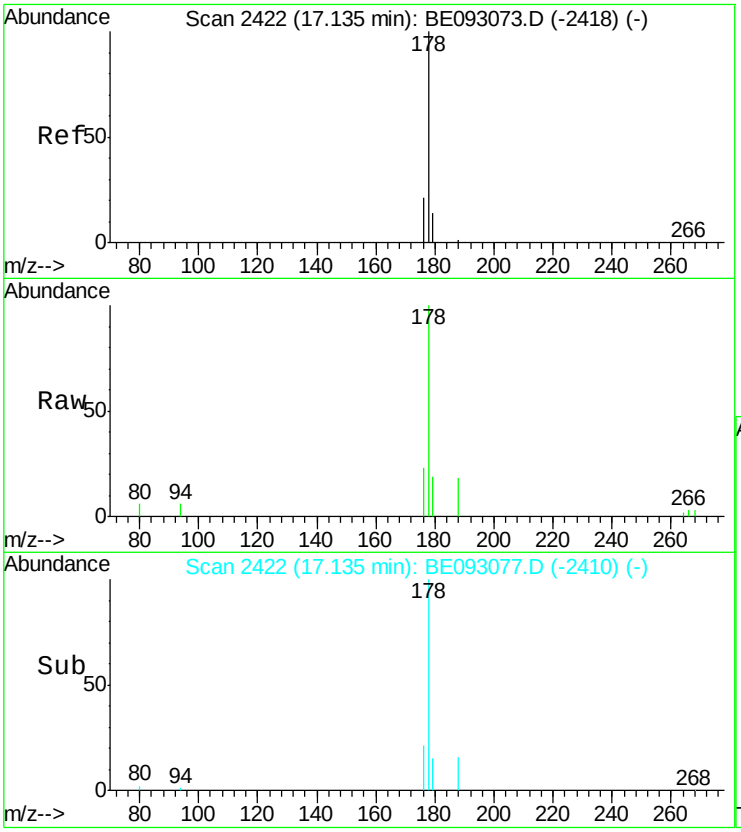


#11
Pentachlorophenol
Concen: 0.035 ng/ul
RT: 16.75 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:266 Resp: 127

Ion	Ratio	Lower	Upper
266	100		
264	81.9	47.9	71.9#
268	82.7	49.8	74.8#





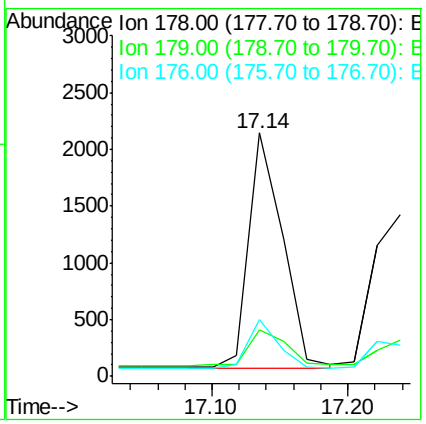
#12
Phenanthrene
Concen: 0.054 ng/ul m
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

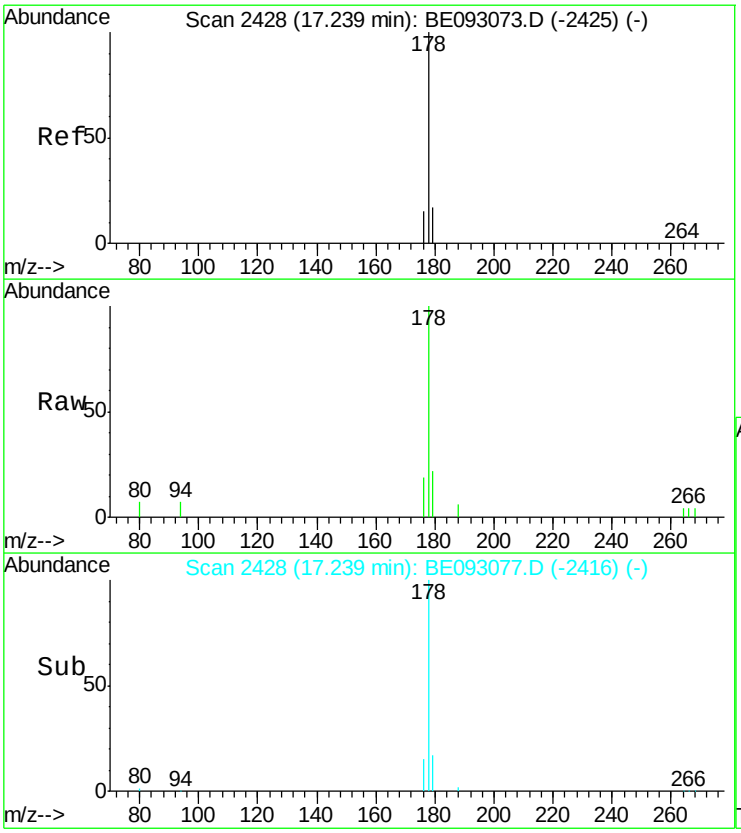
Tgt Ion:178 Resp: 3582

Ion	Ratio	Lower	Upper
178	100		
179	19.1	18.4	27.6
176	23.4	13.6	20.4#

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

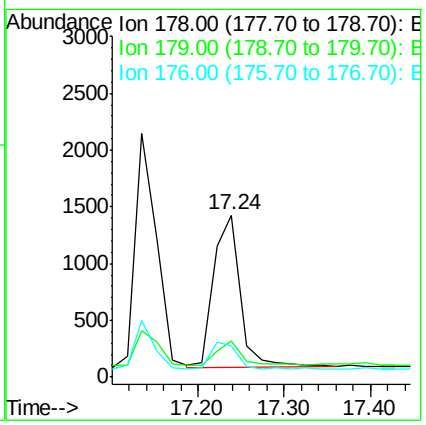


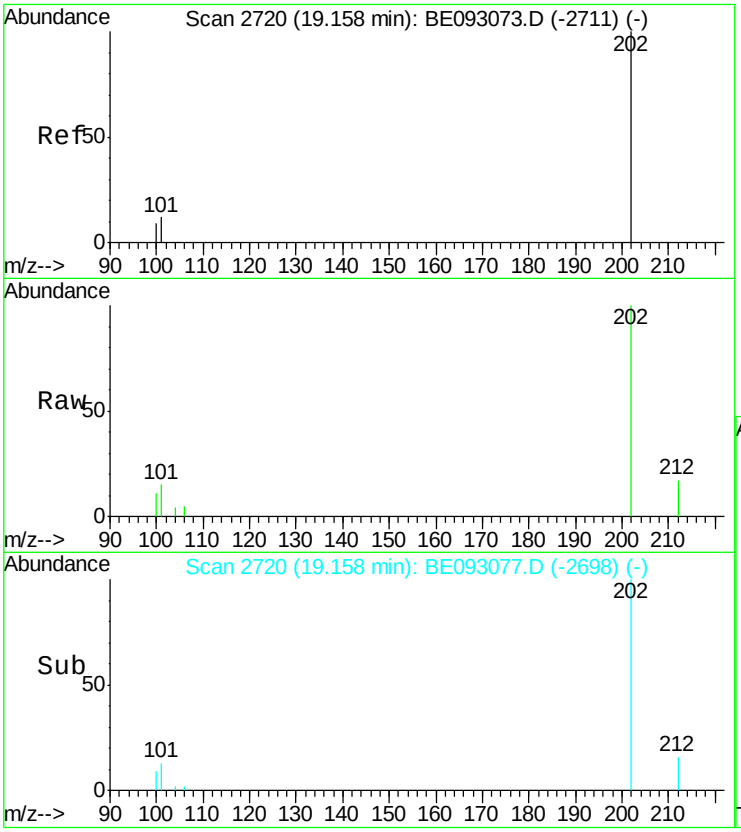


#13
Anthracene
Concen: 0.049 ng/ul
RT: 17.24 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:178 Resp: 2876

Ion	Ratio	Lower	Upper
178	100		
179	22.3	18.1	27.1
176	19.0	14.7	22.1

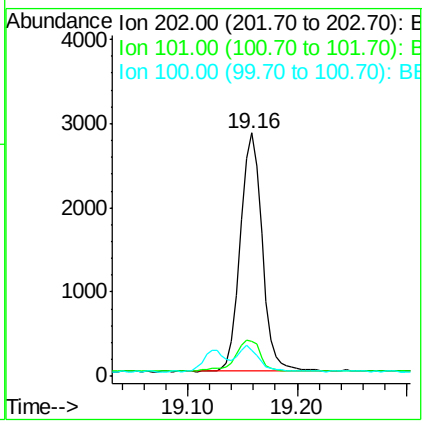




#15
Fluoranthene
Concen: 0.048 ng/ul
RT: 19.16 min Scan# 2720
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

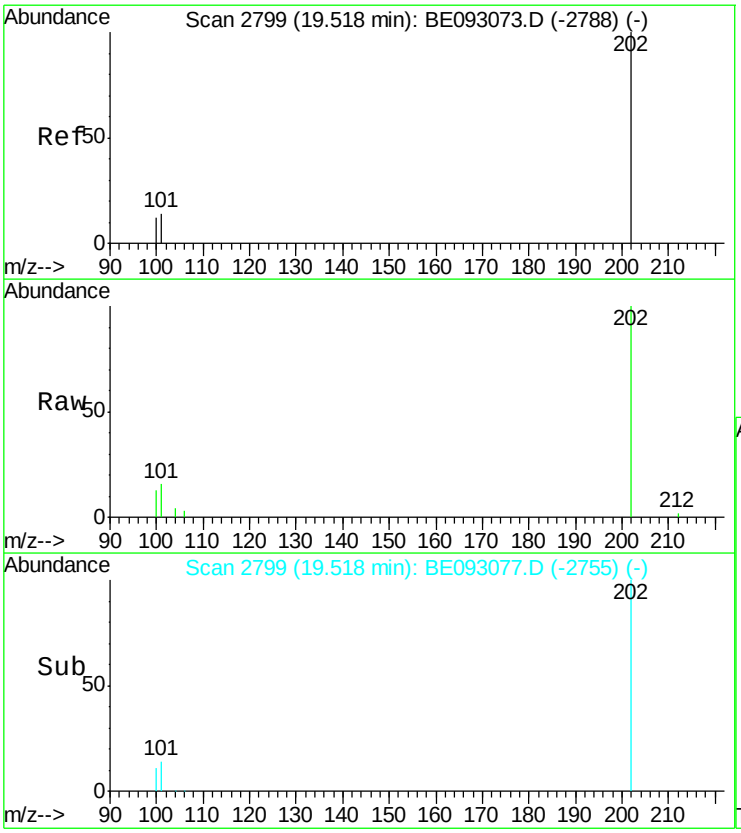
Tgt Ion:202 Resp: 3942

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	30.3
100	10.9	0.0	39.5



Instrument :
BNA_E
ClientSampleId :
MDL-W-2

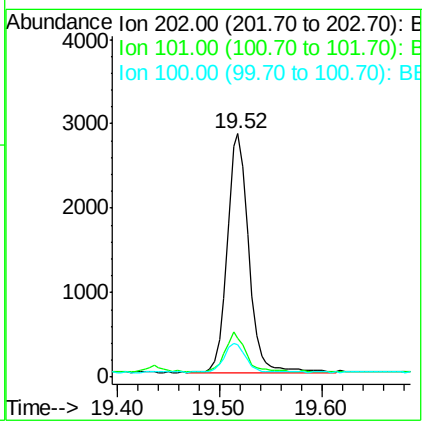
Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

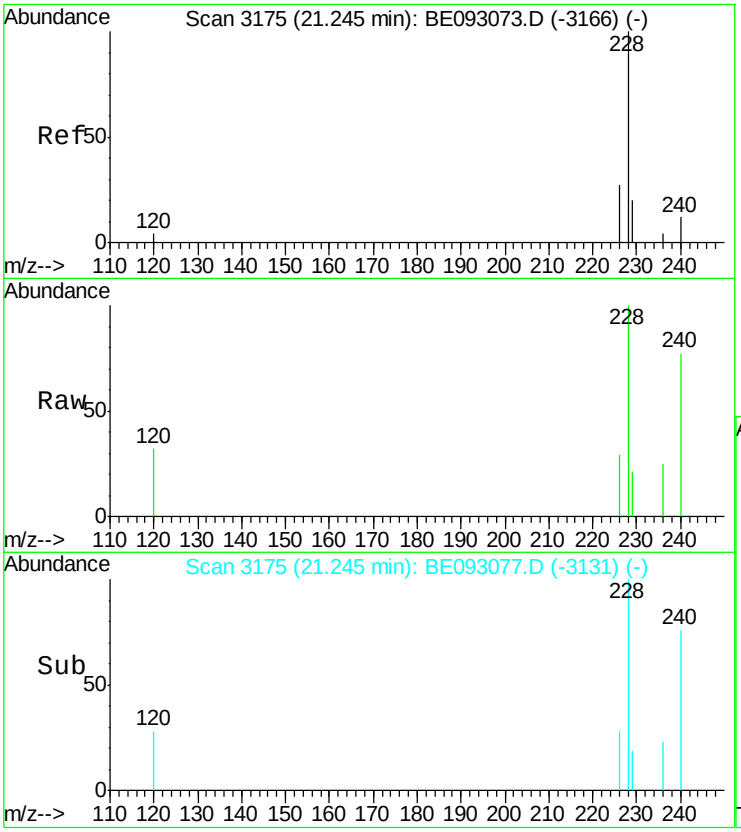


#17
Pyrene
Concen: 0.054 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:202 Resp: 4087

Ion	Ratio	Lower	Upper
202	100		
101	15.9	18.2	27.4#
100	13.1	15.6	23.4#





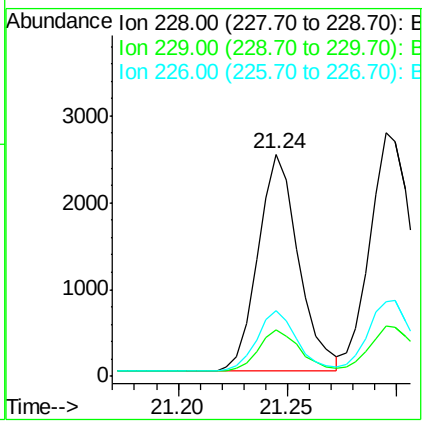
#18
Benzo(a)anthracene
Concen: 0.047 ng/ul
RT: 21.24 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

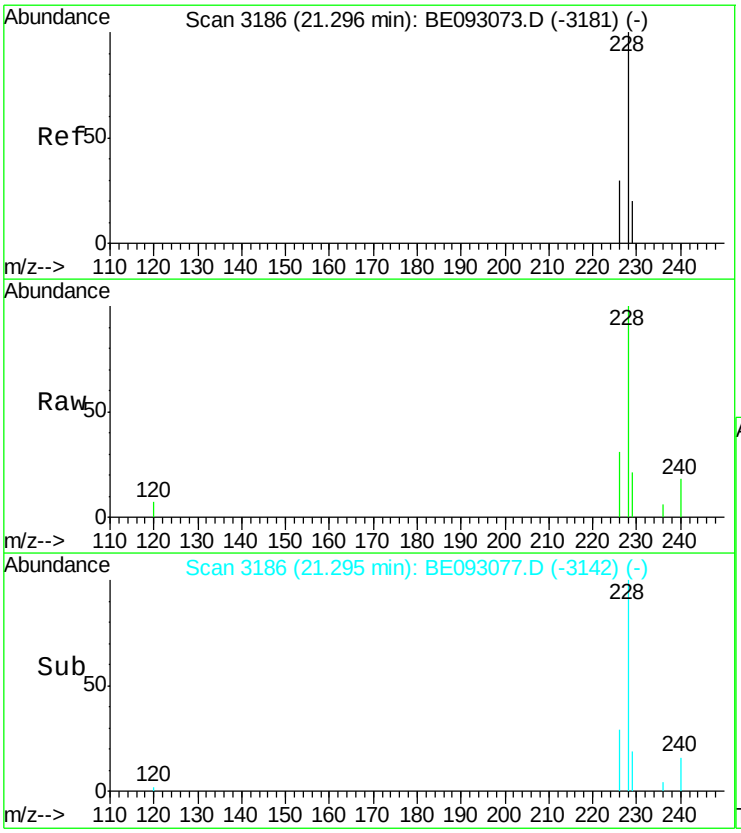
Tgt Ion:228 Resp: 3237

Ion	Ratio	Lower	Upper
228	100		
229	21.2	22.8	34.2#
226	29.3	17.0	25.6#

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

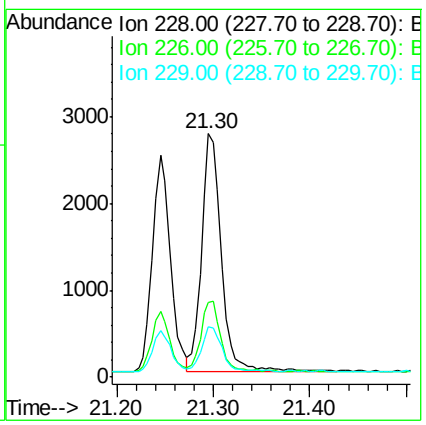


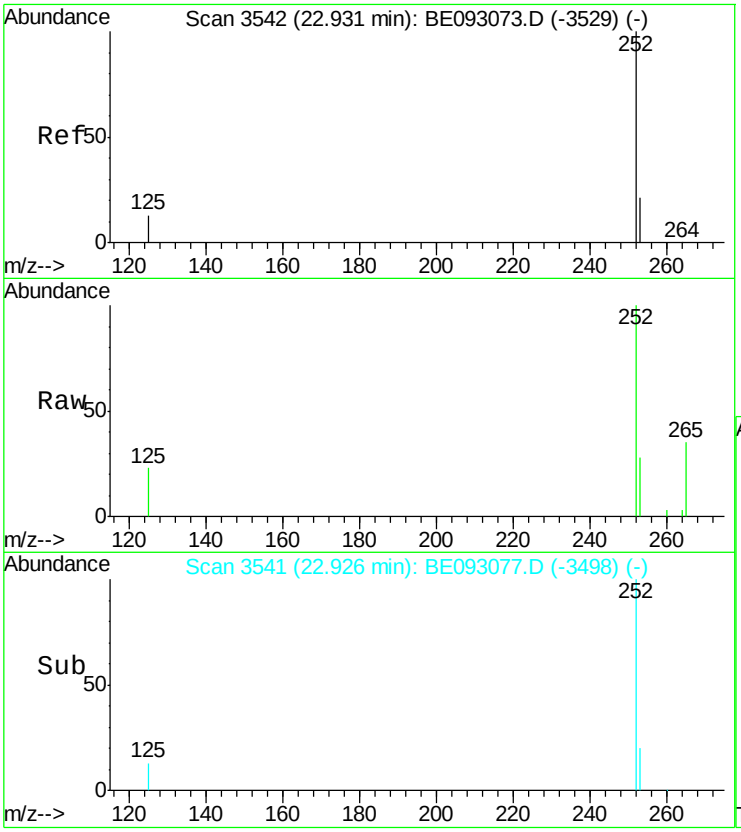


#19
Chrysene
Concen: 0.055 ng/ul
RT: 21.30 min Scan# 3186
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:228 Resp: 3881

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.0
229	20.6	17.7	26.5

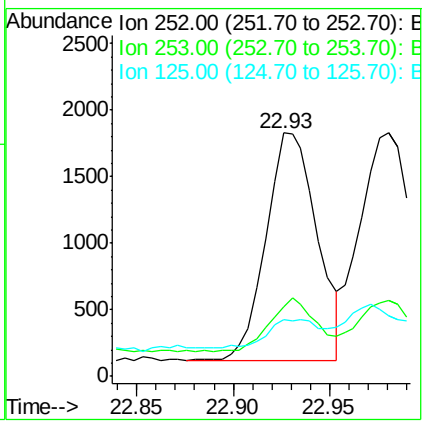




#21
Benzo(b)fluoranthene
Concen: 0.047 ng/ul
RT: 22.93 min Scan# 3541
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

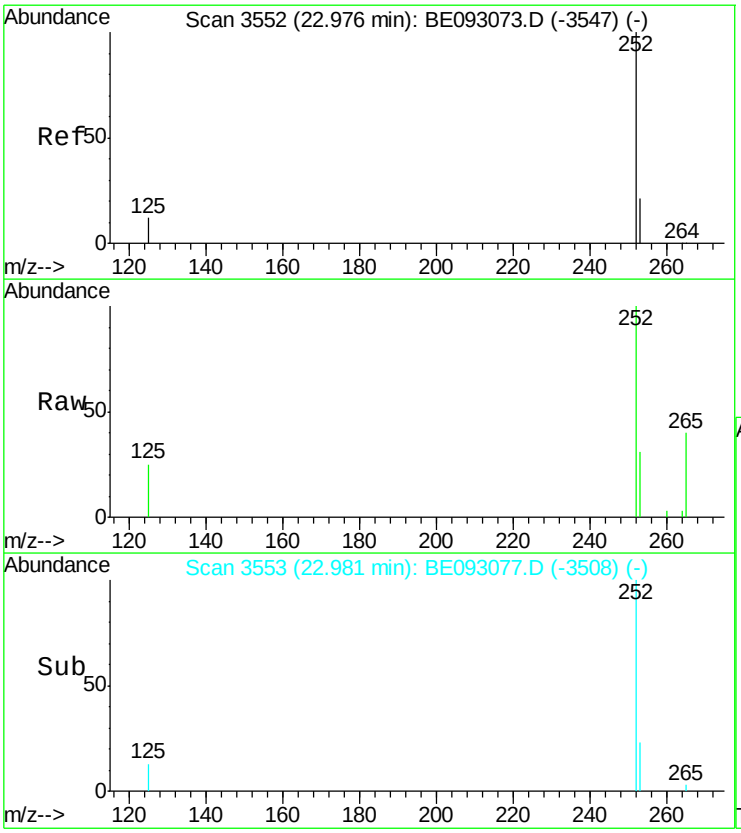
Tgt Ion:252 Resp: 3147

Ion	Ratio	Lower	Upper
252	100		
253	28.4	0.0	64.2
125	23.2	0.0	35.0



Instrument :
BNA_E
ClientSampleId :
MDL-W-2

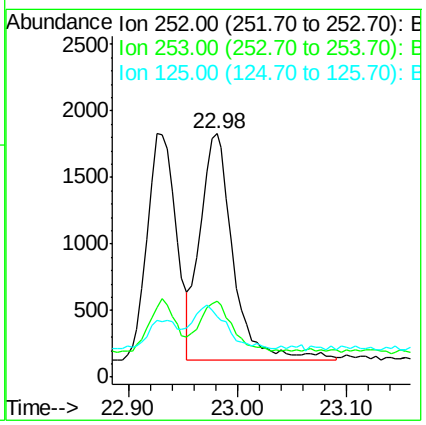
Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

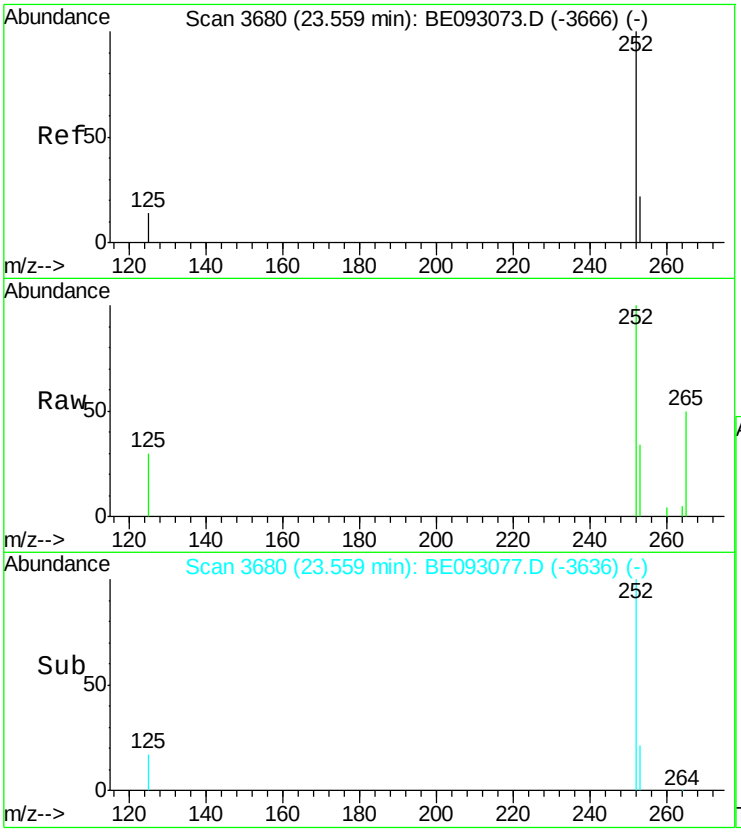


#22
Benzo(k)fluoranthene
Concen: 0.051 ng/ul
RT: 22.98 min Scan# 3553
Delta R.T. 0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:252 Resp: 3597

Ion	Ratio	Lower	Upper
252	100		
253	31.0	24.5	36.7
125	25.0	13.7	20.5#





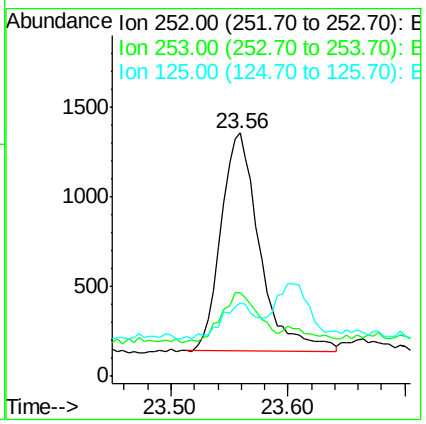
#23
Benzo(a)pyrene
Concen: 0.044 ng/ul
RT: 23.56 min Scan# 3680
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

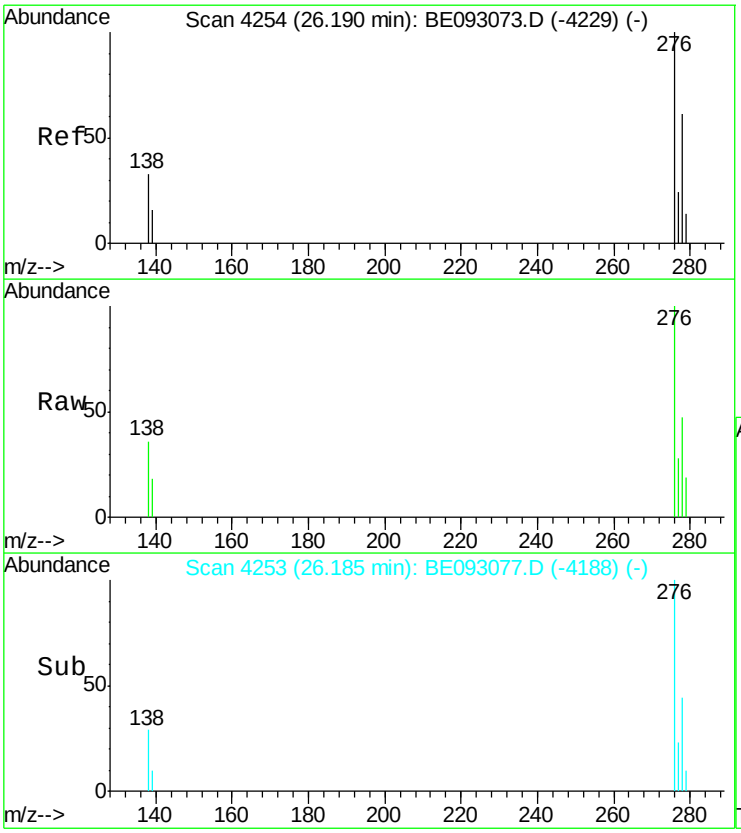
Tgt Ion:252 Resp: 2783

Ion	Ratio	Lower	Upper
252	100		
253	34.1	28.5	42.7
125	30.2	18.1	27.1#

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM

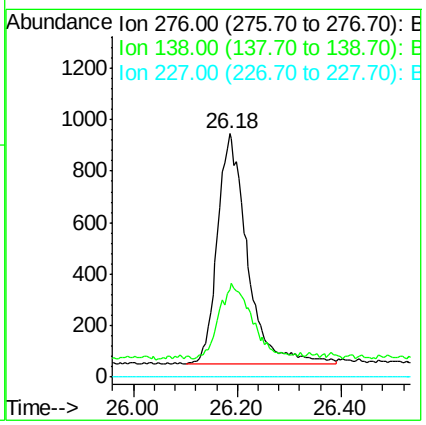


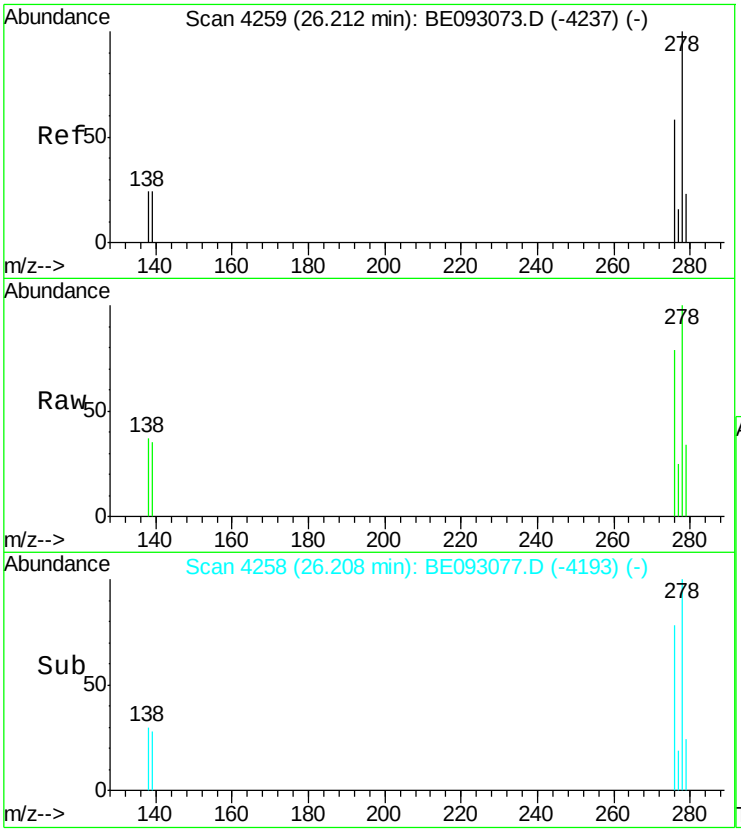


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.049 ng/ul
RT: 26.18 min Scan# 4253
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:276 Resp: 3543

Ion	Ratio	Lower	Upper
276	100		
138	37.6	28.0	42.0
227	0.0	8.0	12.0#





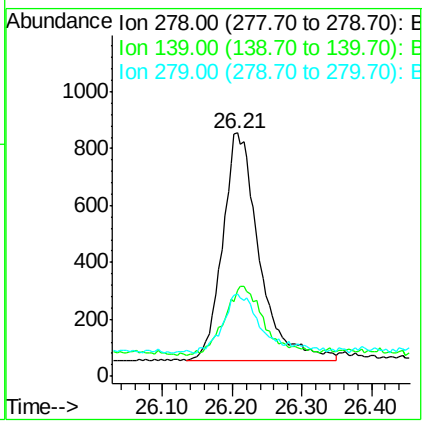
#25
Dibenzo(a,h)anthracene
Concen: 0.048 ng/ul
RT: 26.21 min Scan# 4258
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

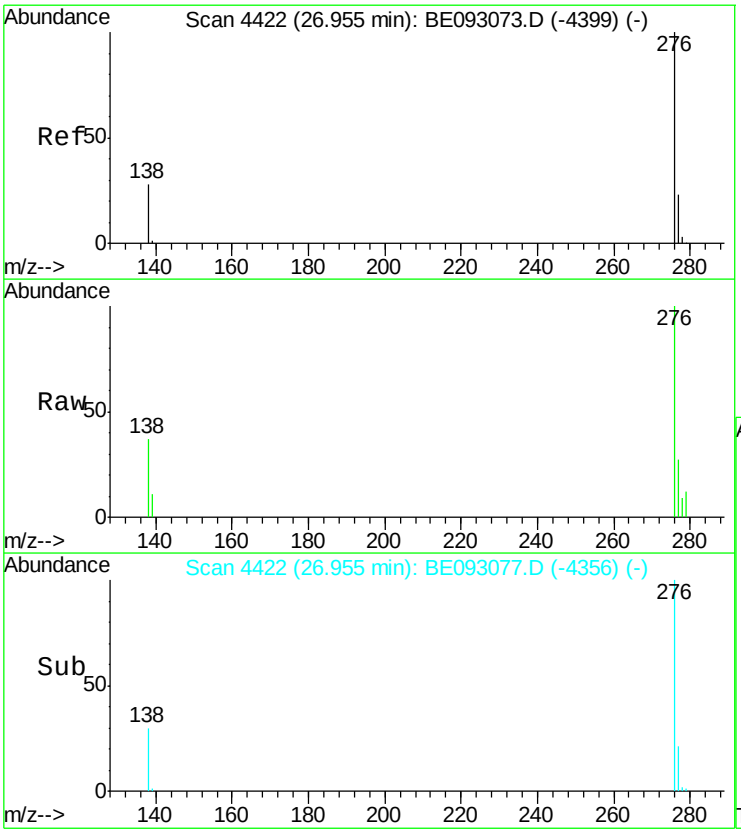
Tgt Ion:278 Resp: 2911

Ion	Ratio	Lower	Upper
278	100		
139	35.3	17.4	26.0#
279	33.5	25.9	38.9

Instrument :
BNA_E
ClientSampleId :
MDL-W-2

Manual Integrations APPROVED
mohammad
6/9/2017 1:36:00 PM





#26
Benzo(g,h,i)perylene
Concen: 0.052 ng/ul
RT: 26.95 min Scan# 4422
Delta R.T. -0.00 min
Lab File: BE093077.D
Acq: 8 Jun 2017 12:48

Tgt Ion:276 Resp: 3240

Ion	Ratio	Lower	Upper
276	100		
138	36.9	21.8	32.8#
277	26.9	20.5	30.7