Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094347.D
Acq On : 14 Oct 2017 5:47
Operator : SJ/JU
Sample : I5649-03DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

Quant Time: Oct 14 22:29:35 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 05:22:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2012	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10259	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5658	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12082	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	12042	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11452	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	392	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	969	0.02	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.76	128	2470	0.10	ng/ul#	93
5) 2-Methylnaphthalene	12.37	142	686	0.04	ng/ul	97
7) Acenaphthylene	14.25	152	2159	0.10	ng/ul	94
12) Phenanthrene	17.31	178	14219	0.45	ng/ul#	93
13) Anthracene	17.40	178	3507	0.11	ng/ul	95
15) Fluoranthene	19.32	202	40143	0.97	ng/ul	84
17) Pyrene	19.68	202	37708	1.13	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	21775	0.68	ng/ul#	88
19) Chrysene	21.47	228	21912m	0.59	ng/ul	
21) Benzo(b)fluoranthene	23.19	252	30537m	0.98	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	10043m	0.28	ng/ul	
23) Benzo(a)pyrene	23.85	252	20822	0.64	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.65	276	15544	0.47	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.65	278	4130	0.15	ng/ul#	24
26) Benzo(g,h,i)perylene	27.49	276	11601	0.41	ng/ul#	80

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

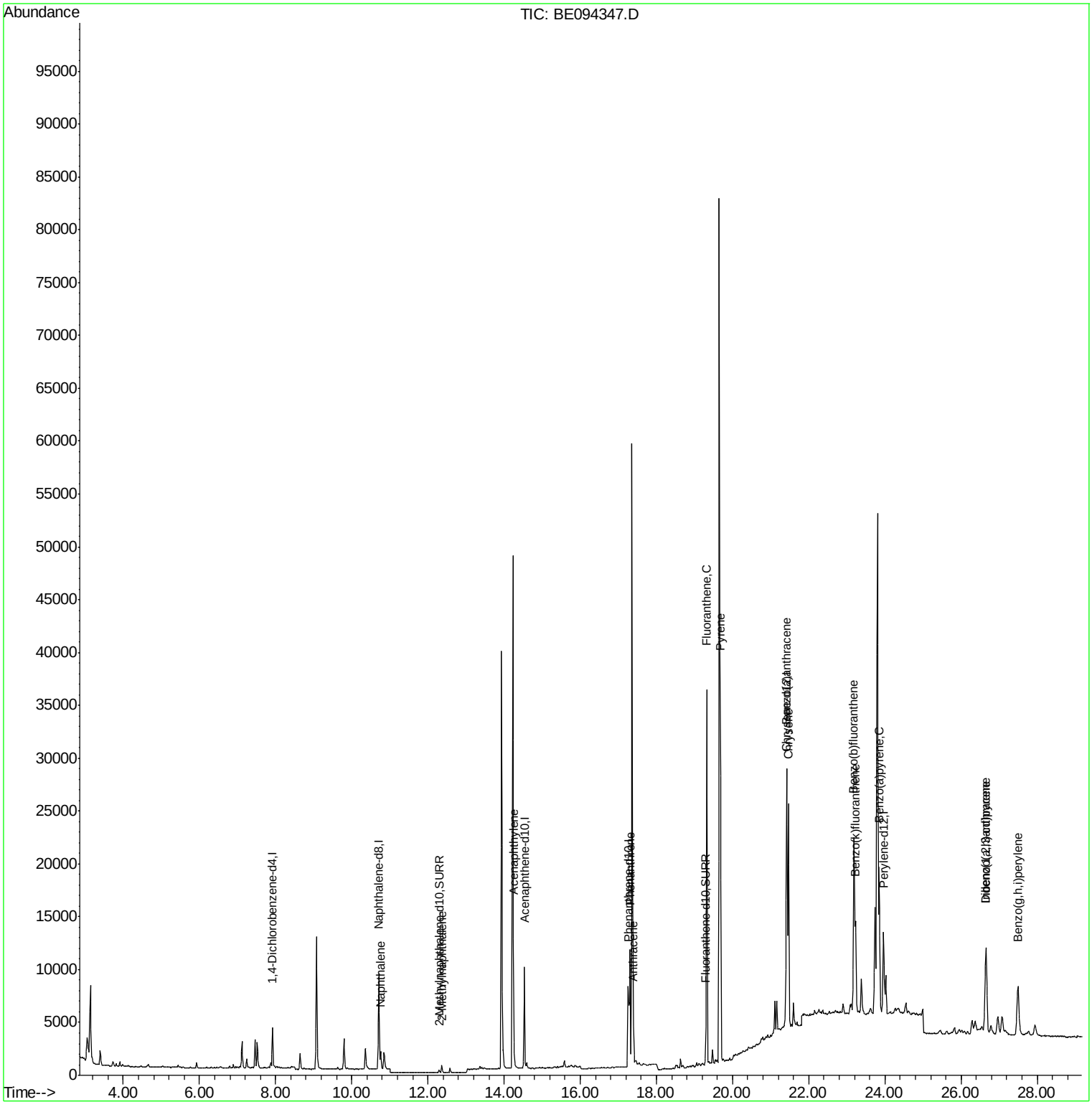
Quantitation Report (QT Reviewed)

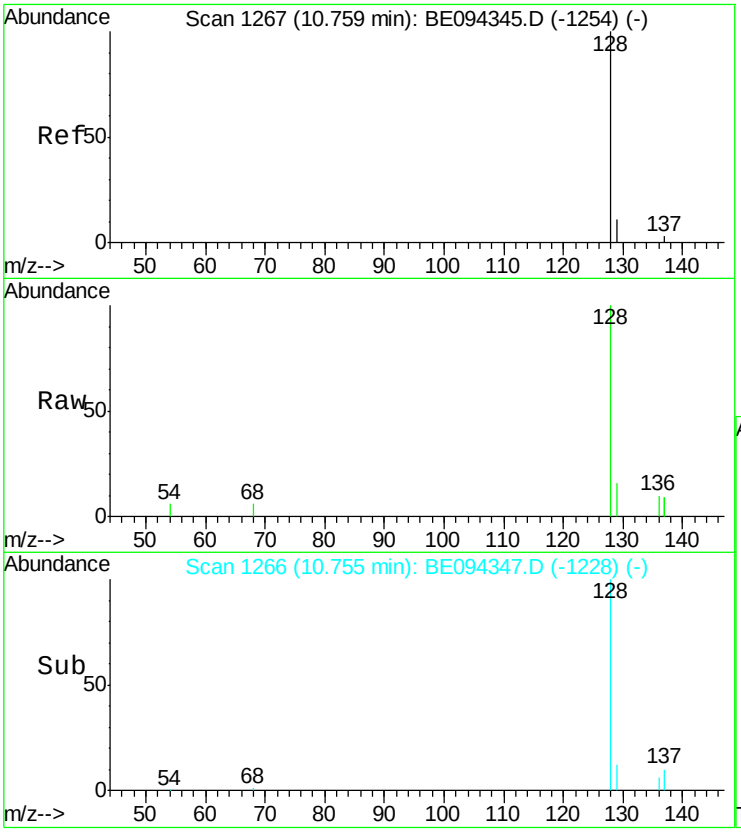
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094347.D
Acq On : 14 Oct 2017 5:47
Operator : SJ/JU
Sample : I5649-03DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 14 22:29:35 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 05:22:31 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM





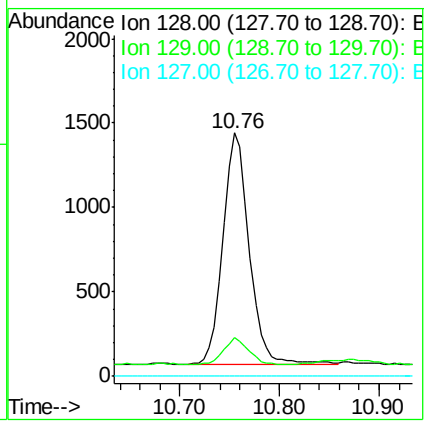
#3
Naphthalene
Concen: 0.10 ng/ul
RT: 10.76 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

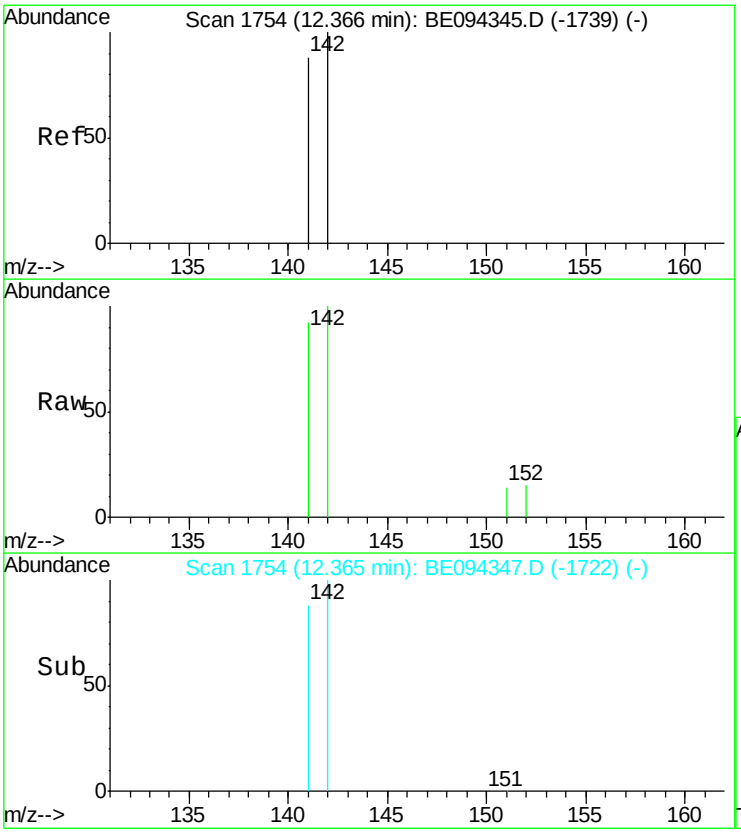
Tgt Ion:128 Resp: 2470

Ion	Ratio	Lower	Upper
128	100		
129	15.8	11.3	16.9
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

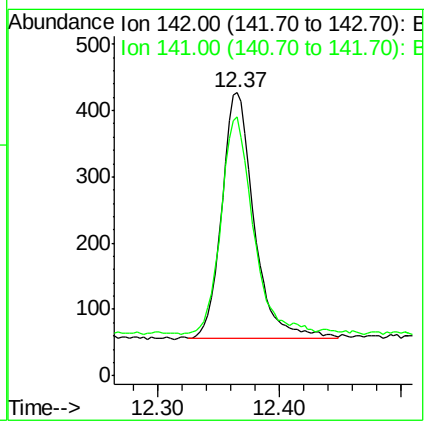


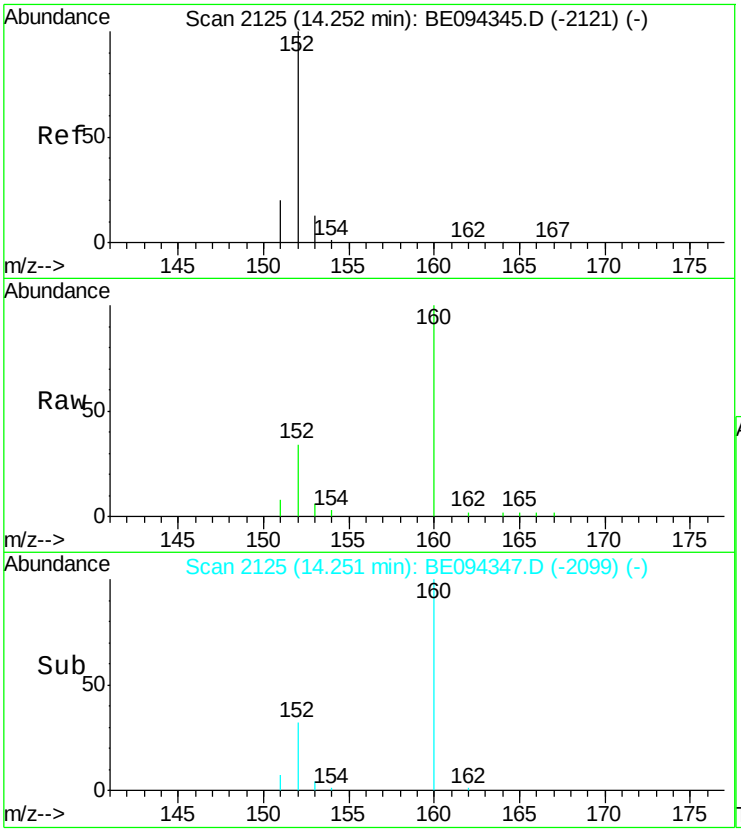


#5
2-Methylnaphthalene
Concen: 0.04 ng/ul
RT: 12.37 min Scan# 1754
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:142 Resp: 686

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.6	108.8

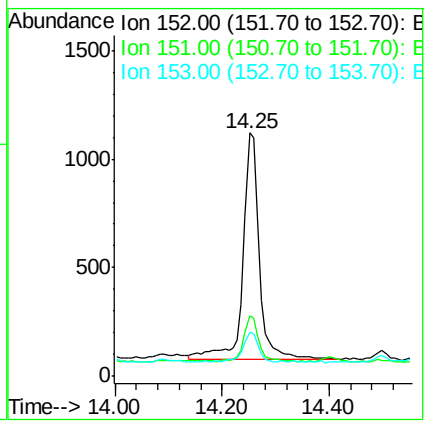




#7
Acenaphthylene
Concen: 0.10 ng/ul
RT: 14.25 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

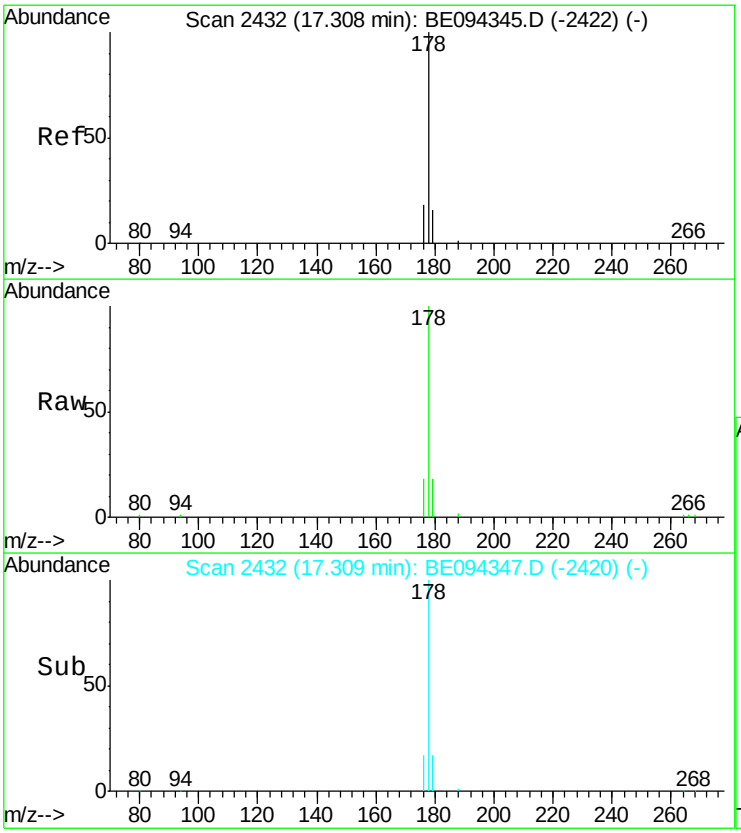
Tgt Ion:152 Resp: 2159

Ion	Ratio	Lower	Upper
152	100		
151	24.8	17.1	25.7
153	18.0	12.8	19.2



Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

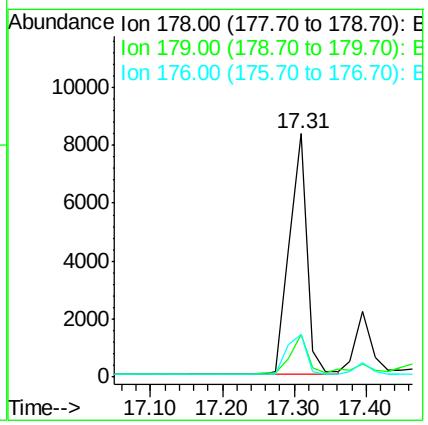
Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

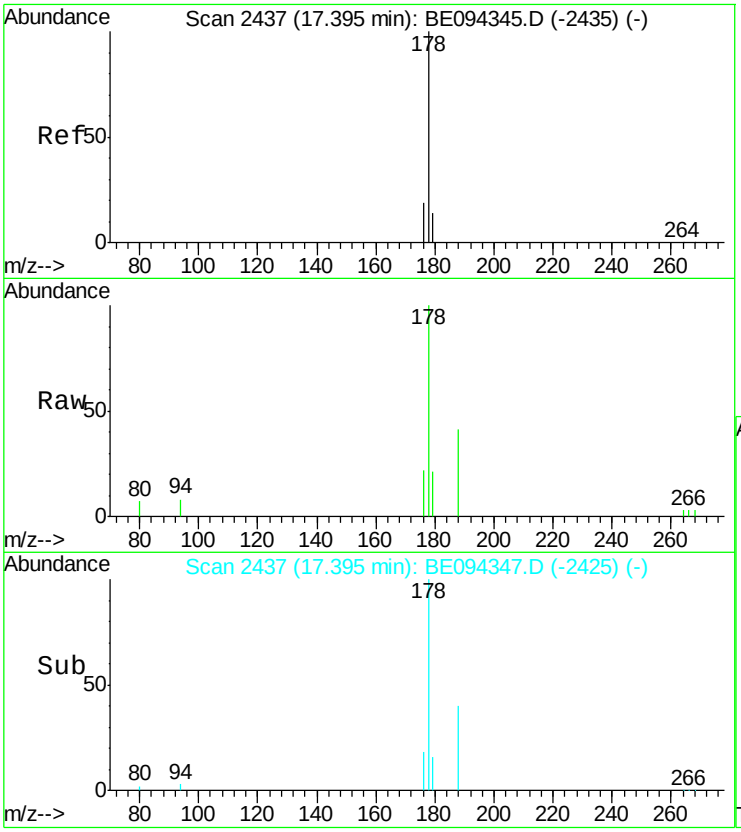


#12
Phenanthrene
Concen: 0.45 ng/ul
RT: 17.31 min Scan# 2432
Delta R.T. 0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:178 Resp: 14219

Ion	Ratio	Lower	Upper
178	100		
179	17.7	18.4	27.6#
176	17.6	13.6	20.4





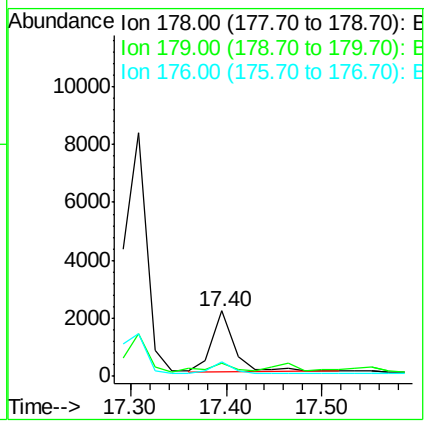
#13
Anthracene
Concen: 0.11 ng/ul
RT: 17.40 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

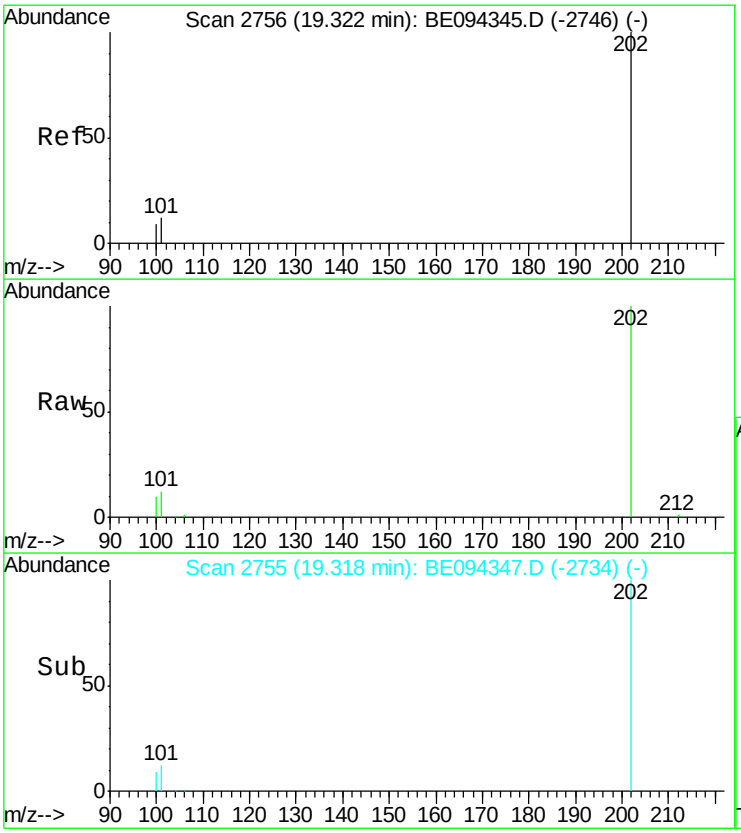
Tgt Ion:178 Resp: 3507

Ion	Ratio	Lower	Upper
178	100		
179	20.6	18.1	27.1
176	21.6	14.7	22.1

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

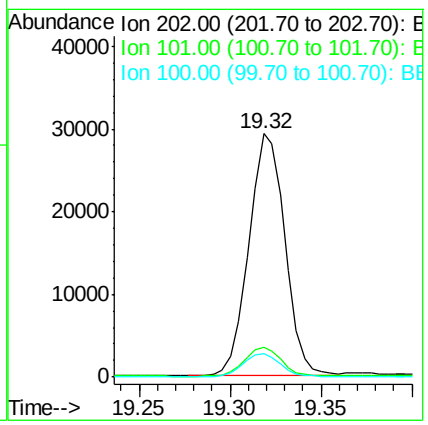


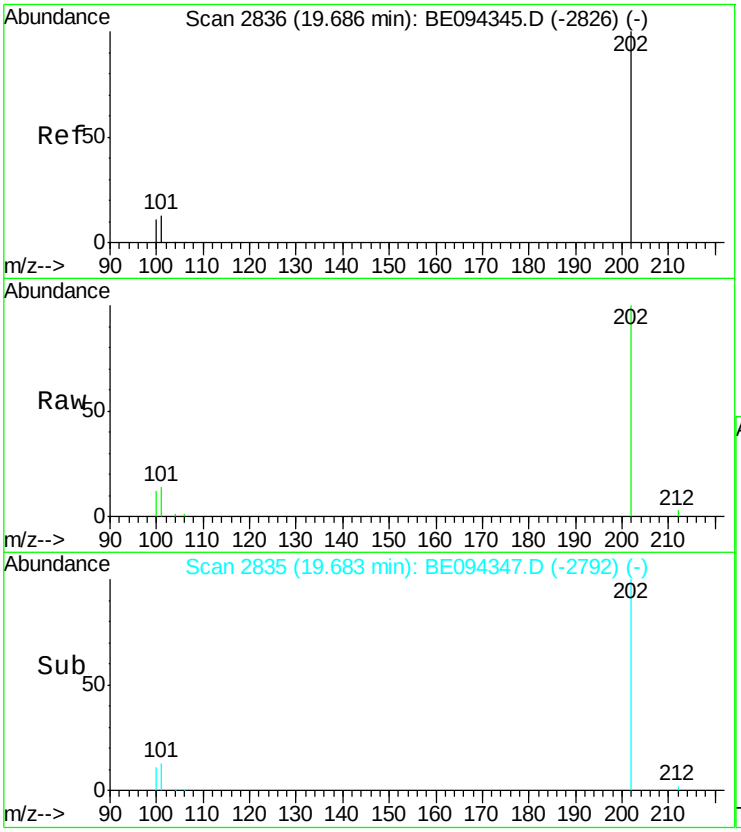


#15
Fluoranthene
Concen: 0.97 ng/ul
RT: 19.32 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:202 Resp: 40143

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.3
100	9.7	0.0	39.5





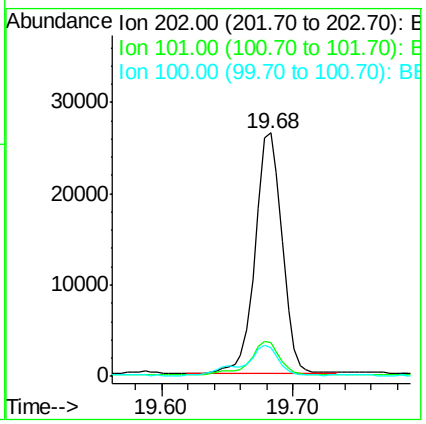
#17
Pyrene
Concen: 1.13 ng/ul
RT: 19.68 min Scan# 2835
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

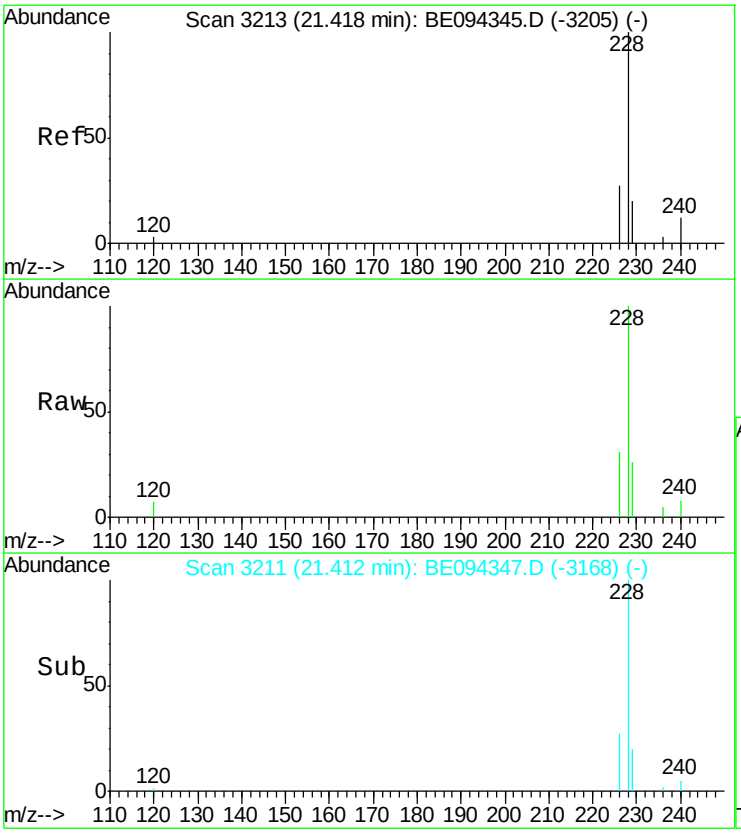
Tgt Ion:202 Resp: 37708

Ion	Ratio	Lower	Upper
202	100		
101	13.7	18.2	27.4#
100	11.6	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

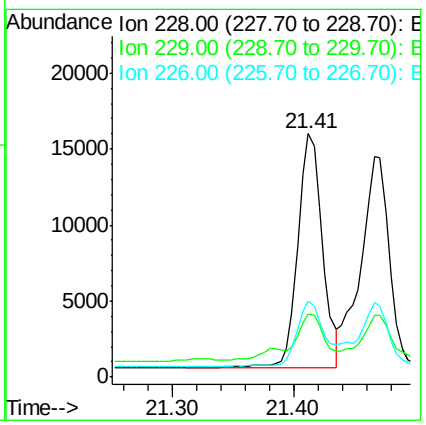


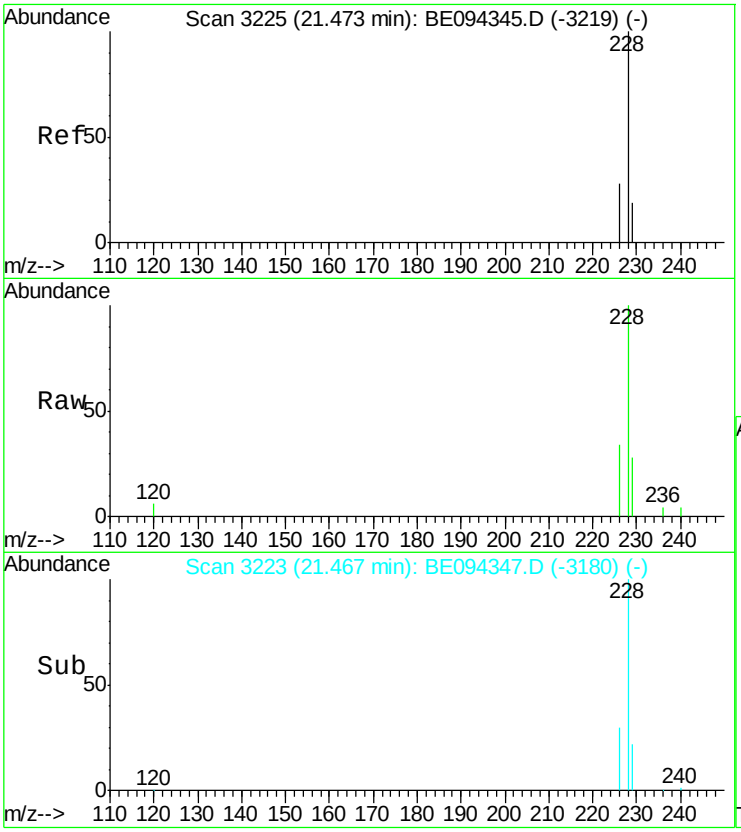


#18
Benzo(a)anthracene
Concen: 0.68 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.01 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:228 Resp: 21775

Ion	Ratio	Lower	Upper
228	100		
229	25.9	22.8	34.2
226	31.0	17.0	25.6#





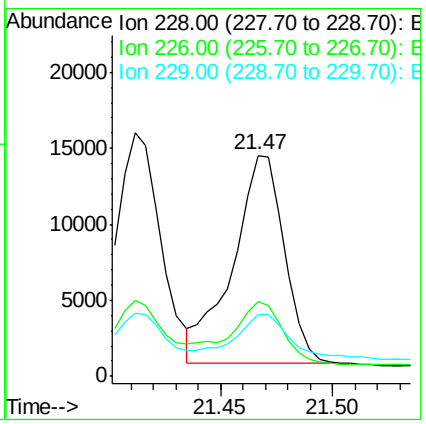
#19
Chrysene
Concen: 0.59 ng/ul m
RT: 21.47 min Scan# 3223
Delta R.T. -0.01 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

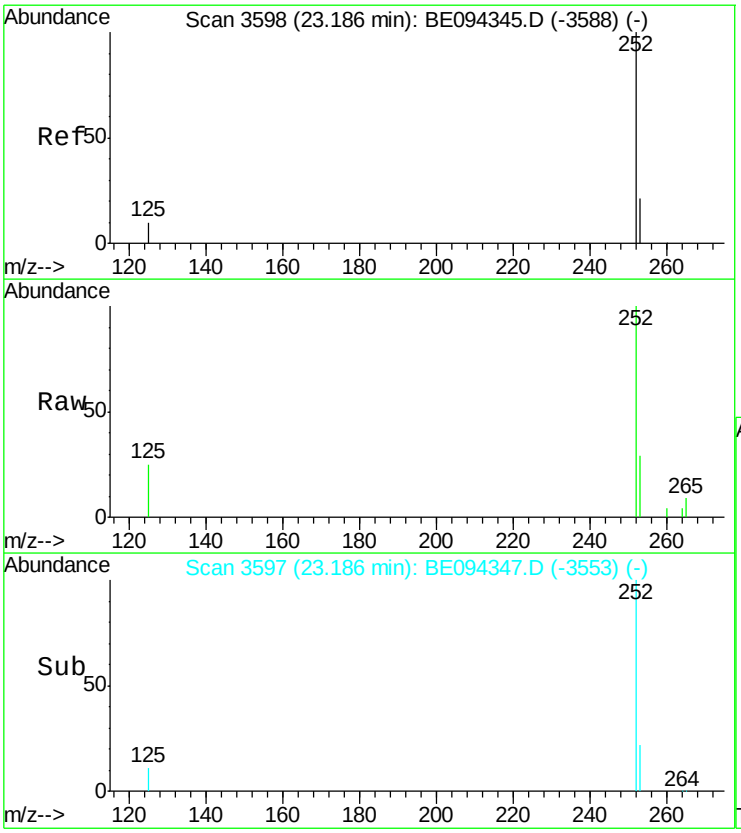
Tgt Ion:228 Resp: 21912

Ion	Ratio	Lower	Upper
228	100		
226	33.8	23.4	35.0
229	28.1	17.7	26.5#

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

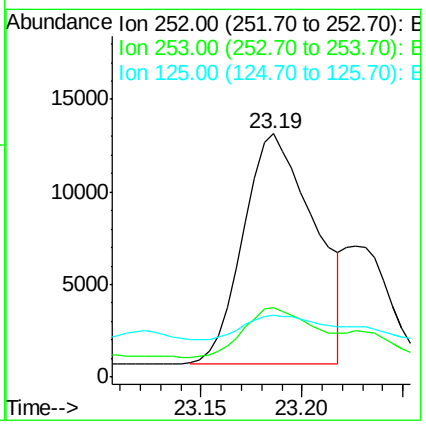


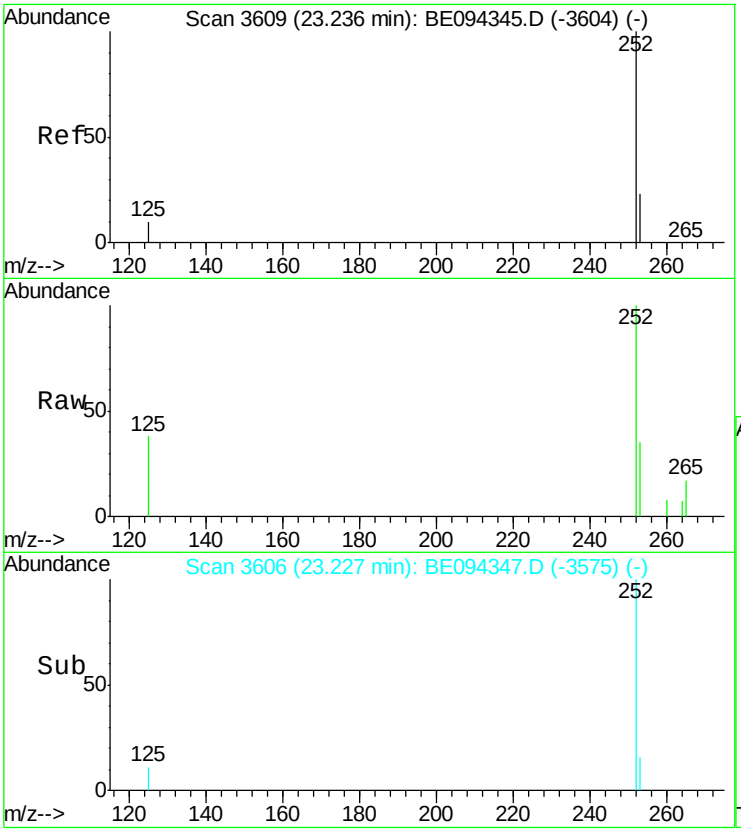


#21
Benzo(b)fluoranthene
Concen: 0.98 ng/ul m
RT: 23.19 min Scan# 3597
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:252 Resp: 30537

Ion	Ratio	Lower	Upper
252	100		
253	28.6	0.0	64.2
125	25.4	0.0	35.0





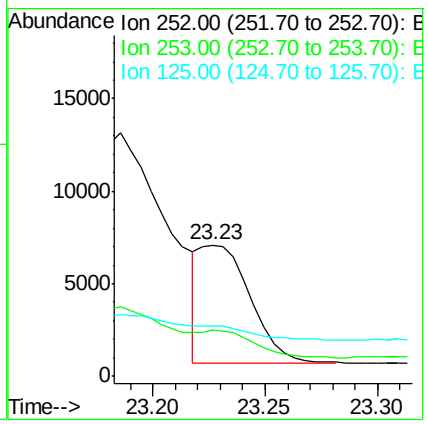
#22
Benzo(k)fluoranthene
Concen: 0.28 ng/ul m
RT: 23.23 min Scan# 3606
Delta R.T. -0.01 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

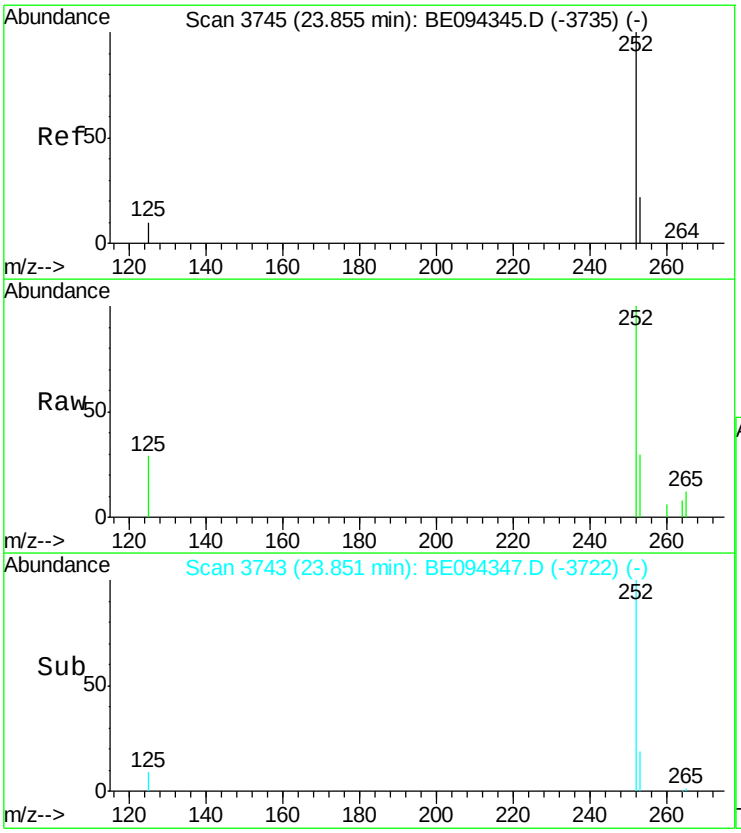
Tgt Ion:252 Resp: 10043

Ion	Ratio	Lower	Upper
252	100		
253	35.4	24.5	36.7
125	38.4	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

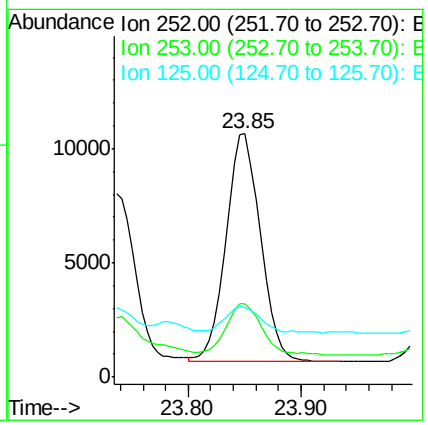


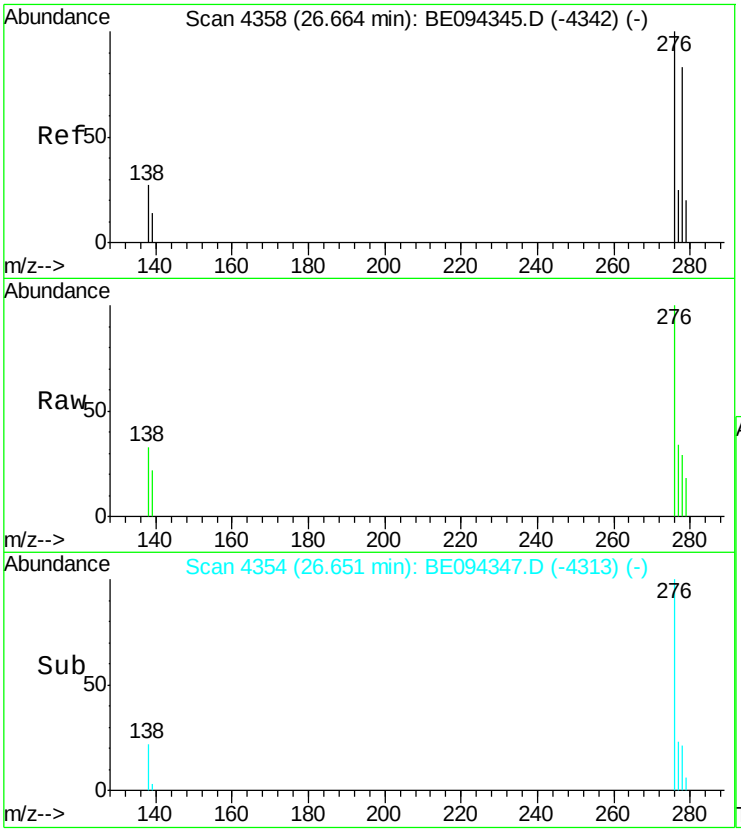


#23
Benzo(a)pyrene
Concen: 0.64 ng/ul
RT: 23.85 min Scan# 3743
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:252 Resp: 20822

Ion	Ratio	Lower	Upper
252	100		
253	30.3	28.5	42.7
125	28.8	18.1	27.1#





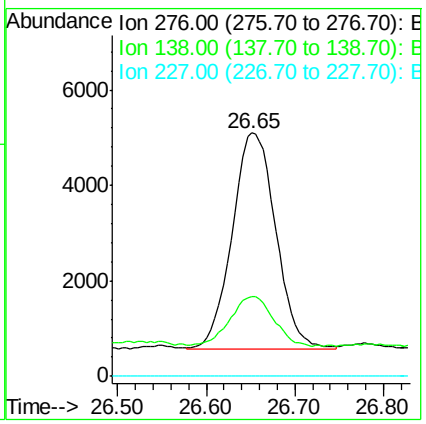
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.47 ng/ul
RT: 26.65 min Scan# 4354
Delta R.T. -0.01 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

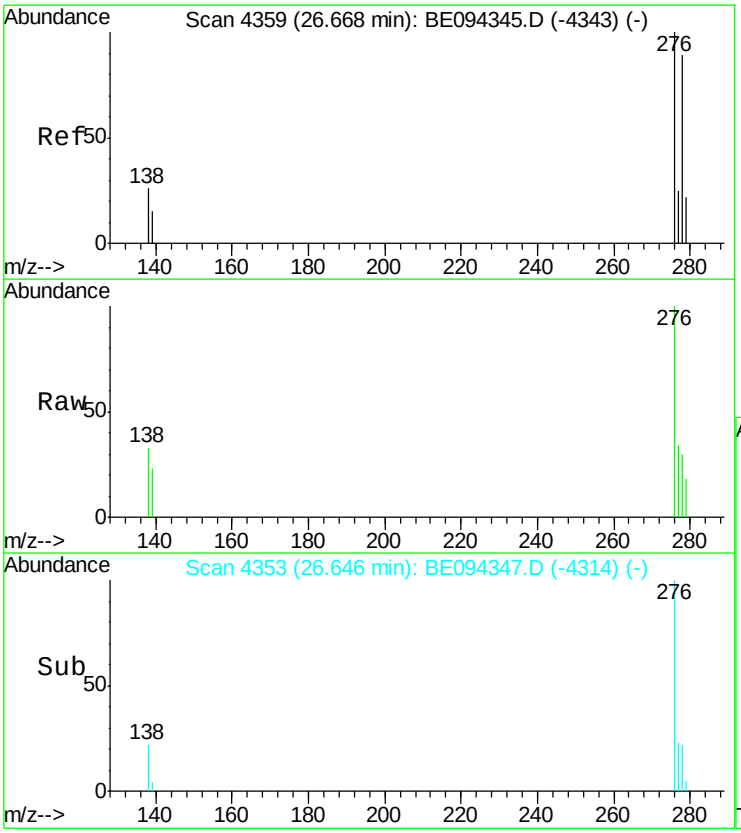
Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM

Tgt Ion:276 Resp: 15544

Ion	Ratio	Lower	Upper
276	100		
138	23.1	28.0	42.0#
227	0.0	8.0	12.0#

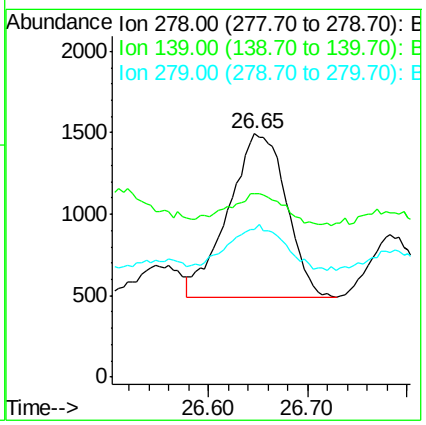


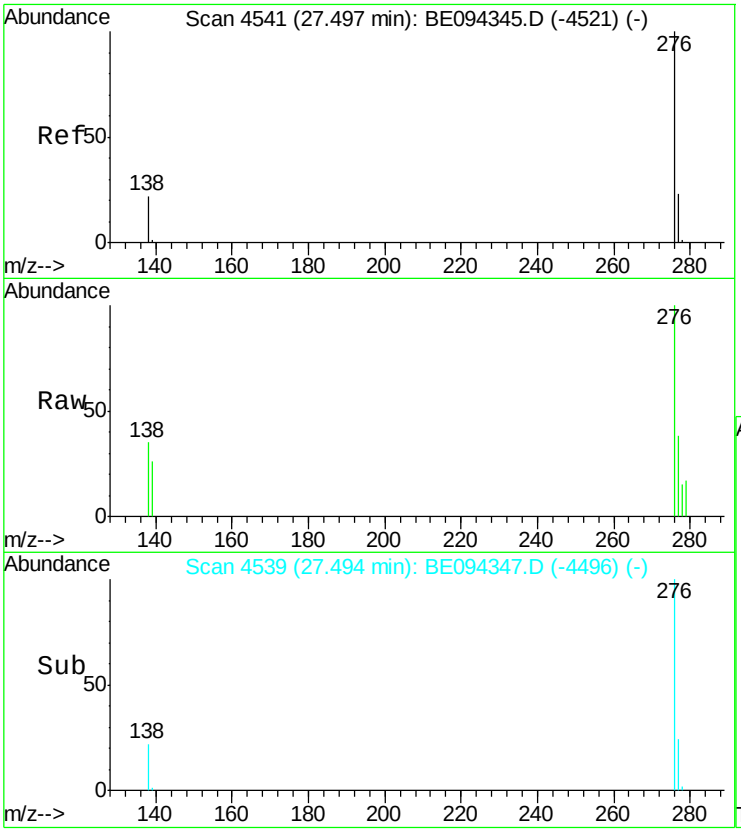


#25
Dibenzo(a,h)anthracene
Concen: 0.15 ng/ul
RT: 26.65 min Scan# 4353
Delta R.T. -0.02 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:278 Resp: 4130

Ion	Ratio	Lower	Upper
278	100		
139	75.6	17.4	26.0#
279	60.7	25.9	38.9#

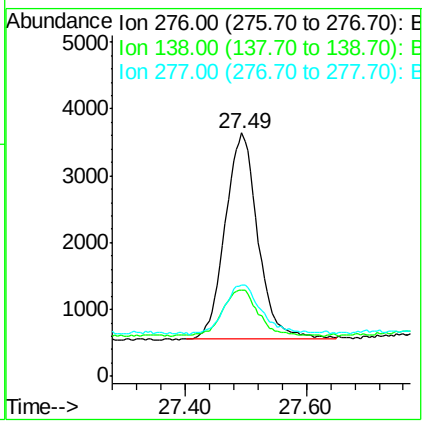




#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 27.49 min Scan# 4539
Delta R.T. -0.00 min
Lab File: BE094347.D
Acq: 14 Oct 2017 5:47

Tgt Ion:276 Resp: 11601

Ion	Ratio	Lower	Upper
276	100		
138	35.4	21.8	32.8#
277	37.8	20.5	30.7#



Instrument :
BNA_E
ClientSampleId :
B-59(FILL)-100317DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:21 PM