Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
Data File : BE093790.D
Acq On : 14 Aug 2017 16:58
Operator : SJ/JU
Sample : I4504-17DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

Quant Time: Aug 14 18:58:53 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2708	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	14296	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	9603	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20656	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	20992	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	20341	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	705	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2466m	0.04	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.76	128	5093	0.146	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	9714	0.383	ng/ul	98
7) Acenaphthylene	14.25	152	1827	0.045	ng/ul#	43
8) Acenaphthene	14.59	153	2845	0.090	ng/ul	96
9) Fluorene	15.57	166	13084	0.328	ng/ul	89
12) Phenanthrene	17.29	178	68010	1.209	ng/ul#	90
13) Anthracene	17.38	178	13722m	0.250	ng/ul	
15) Fluoranthene	19.30	202	36069	0.513	ng/ul	82
17) Pyrene	19.66	202	57676	0.941	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	23056	0.379	ng/ul#	71
19) Chrysene	21.45	228	22164	0.380	ng/ul#	72
21) Benzo(b)fluoranthene	23.15	252	14771m	0.235	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	3508m	0.057	ng/ul	
23) Benzo(a)pyrene	23.80	252	14583	0.244	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	26.56	276	6738	0.102	ng/ul#	83
26) Benzo(g,h,i)perylene	27.38	276	4692	0.084	ng/ul#	60

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

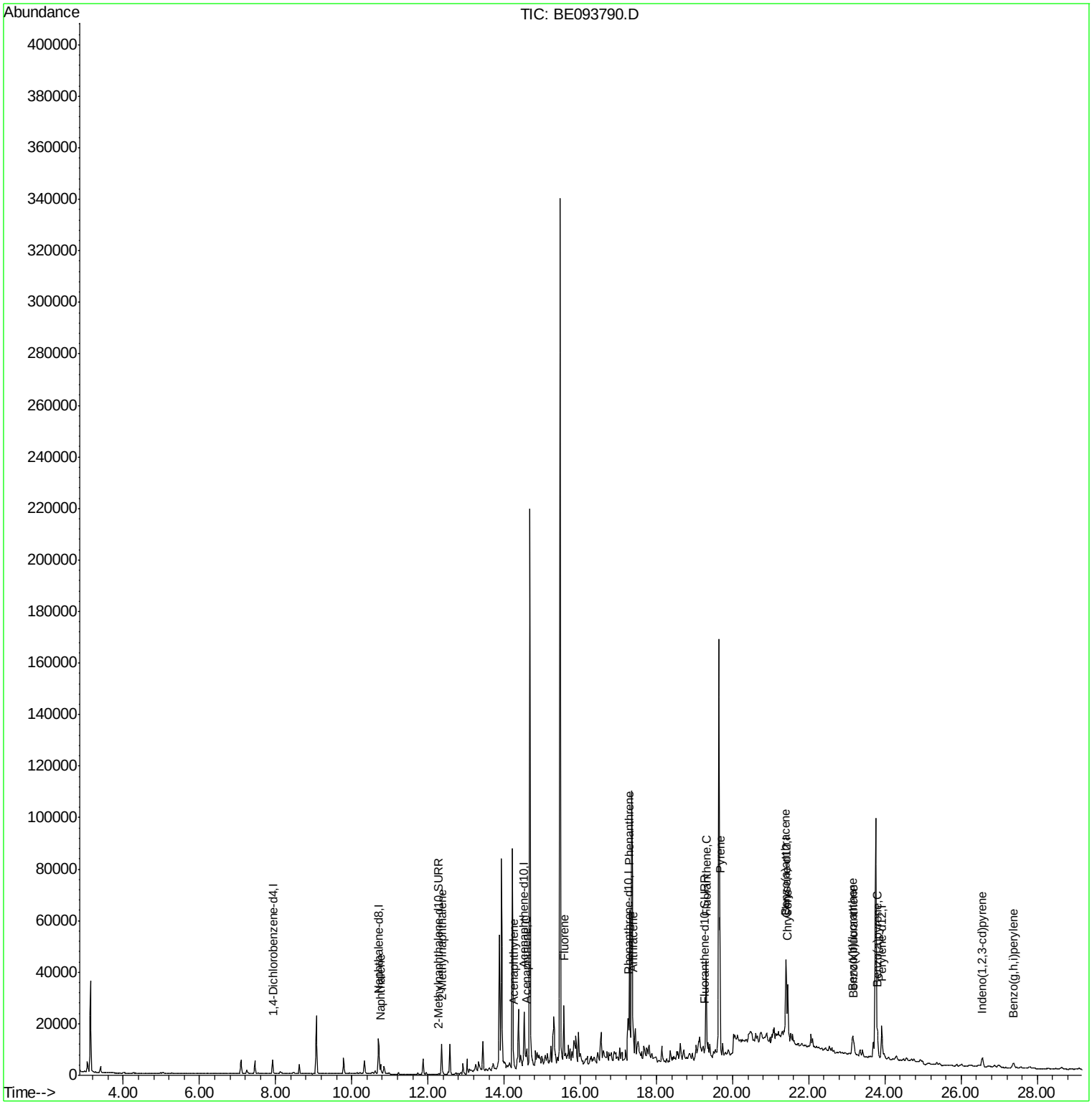
Quantitation Report (QT Reviewed)

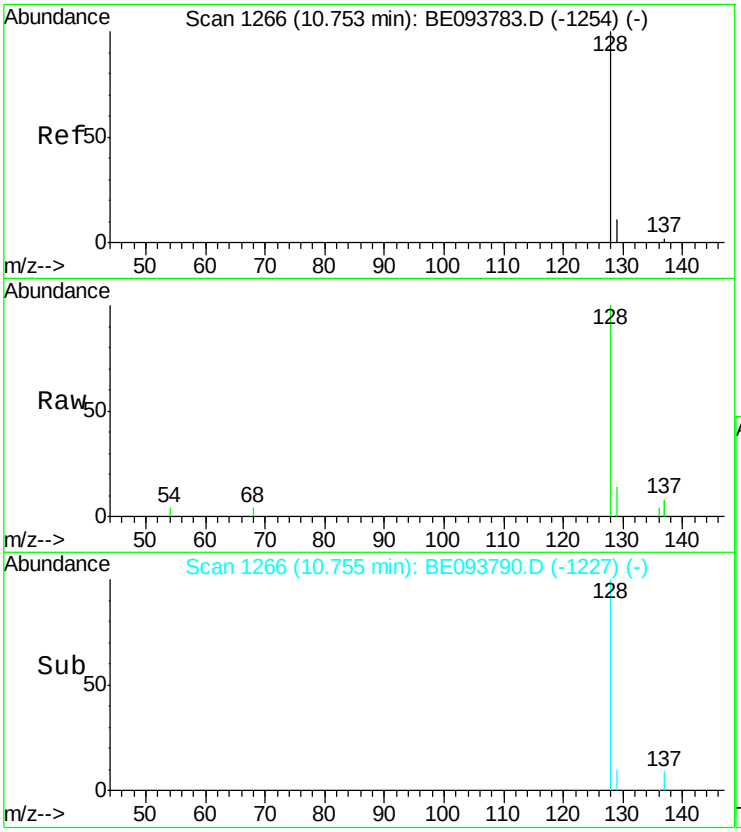
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
Data File : BE093790.D
Acq On : 14 Aug 2017 16:58
Operator : SJ/JU
Sample : I4504-17DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 14 18:58:53 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM





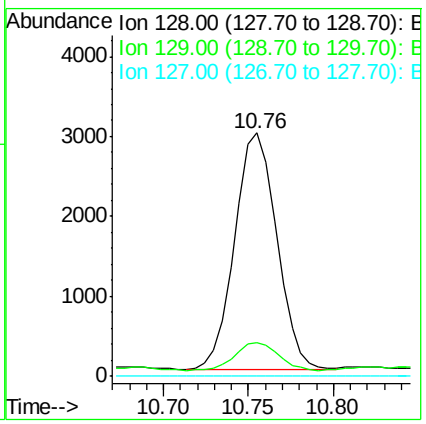
#3
Naphthalene
Concen: 0.146 ng/ul
RT: 10.76 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

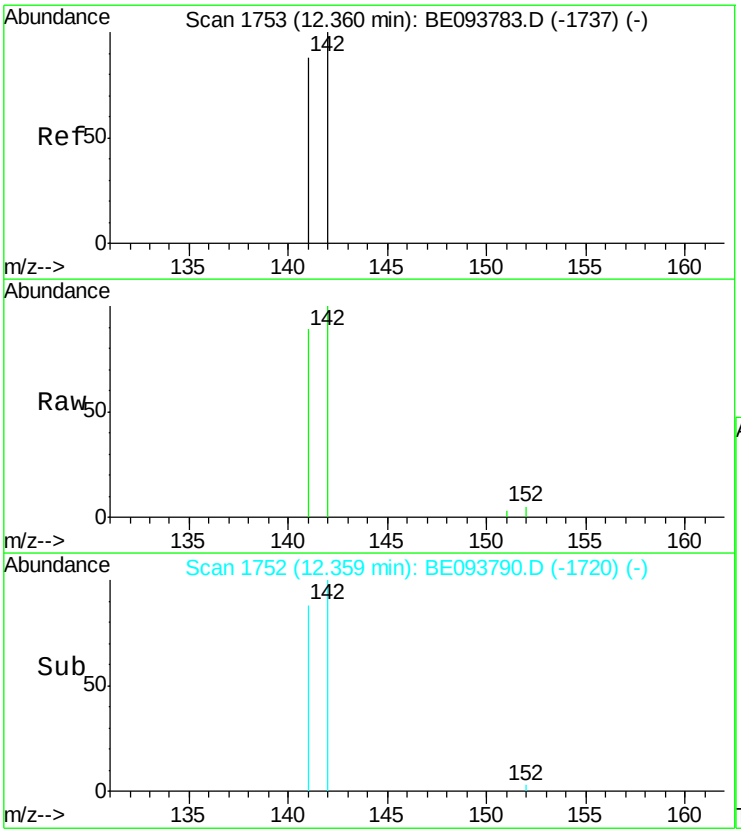
Tgt Ion:128 Resp: 5093

Ion	Ratio	Lower	Upper
128	100		
129	13.8	11.3	16.9
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

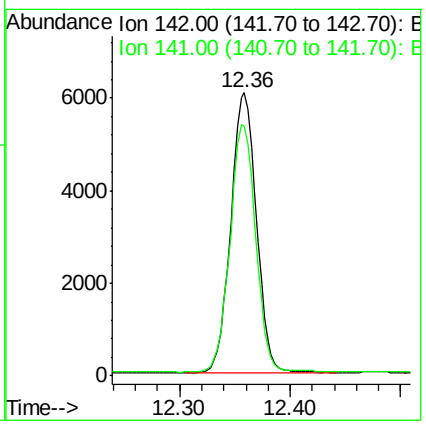


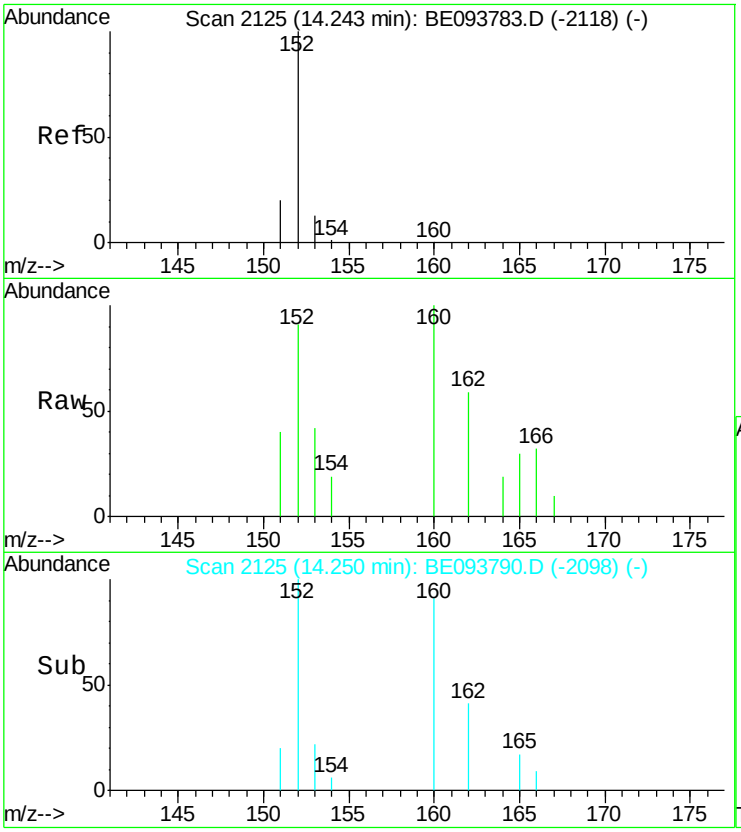


#5
2-Methylnaphthalene
Concen: 0.383 ng/ul
RT: 12.36 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:142 Resp: 9714

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.6	108.8





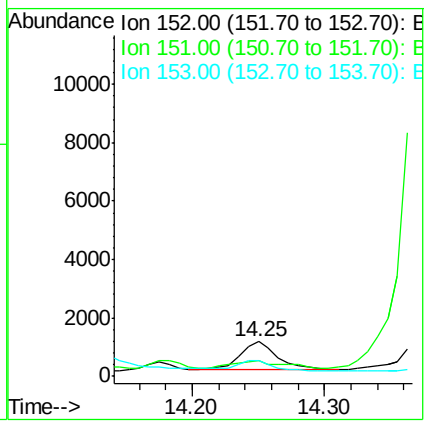
#7
Acenaphthylene
Concen: 0.045 ng/ul
RT: 14.25 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

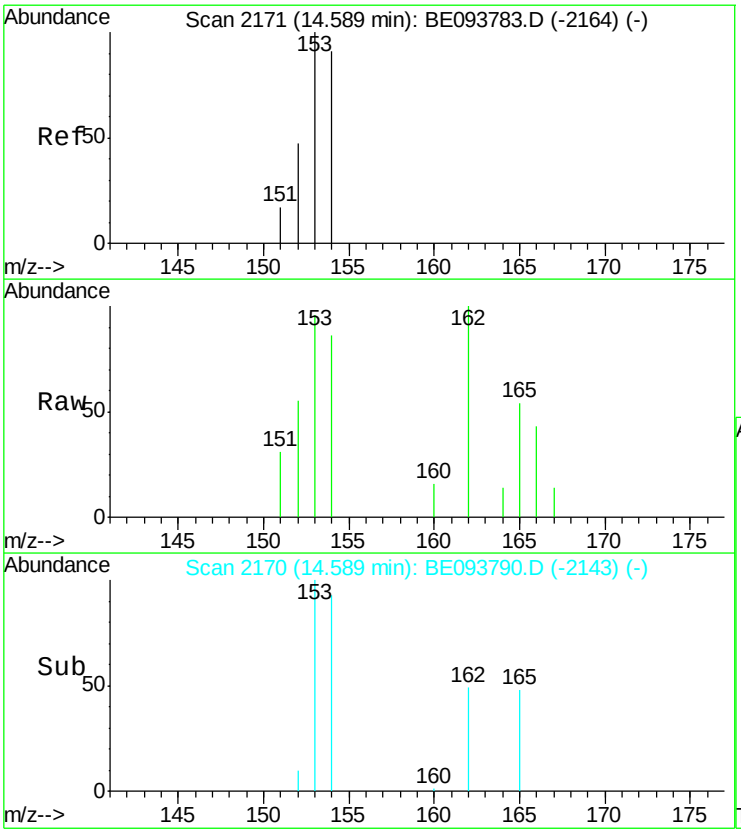
Tgt Ion:152 Resp: 1827

Ion	Ratio	Lower	Upper
152	100		
151	43.4	17.1	25.7#
153	46.1	12.8	19.2#

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

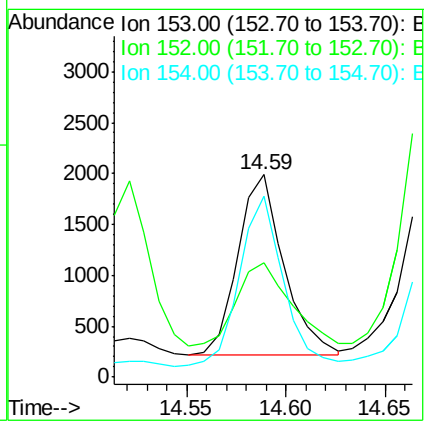


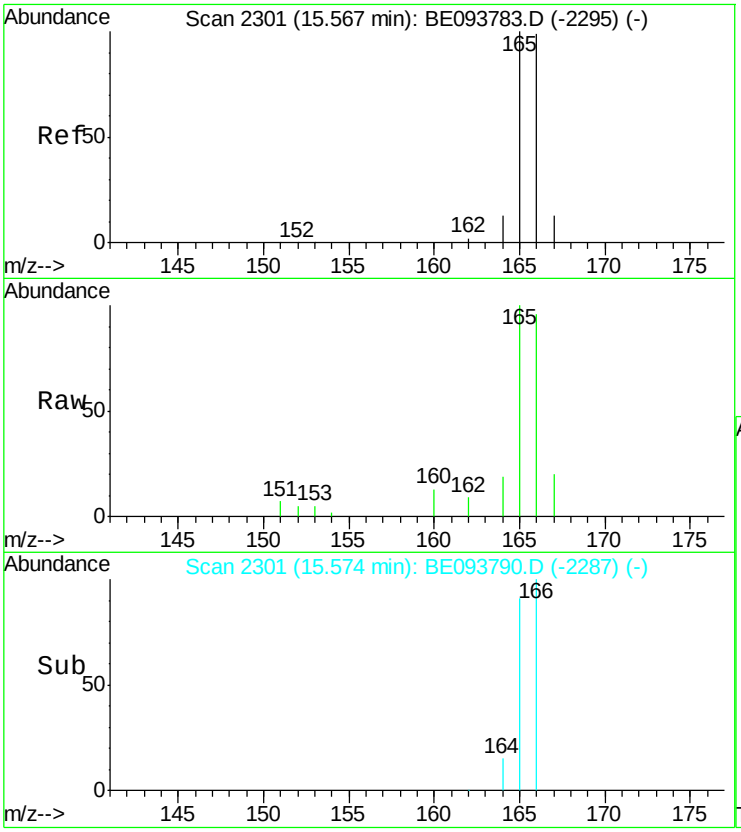


#8
Acenaphthene
Concen: 0.090 ng/ul
RT: 14.59 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:153 Resp: 2845

Ion	Ratio	Lower	Upper
153	100		
152	56.8	40.3	60.5
154	89.6	71.4	107.2





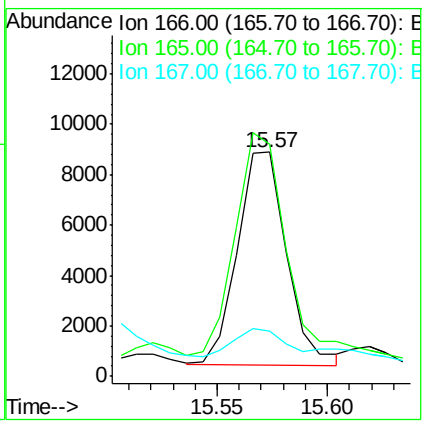
#9
Fluorene
Concen: 0.328 ng/ul
RT: 15.57 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

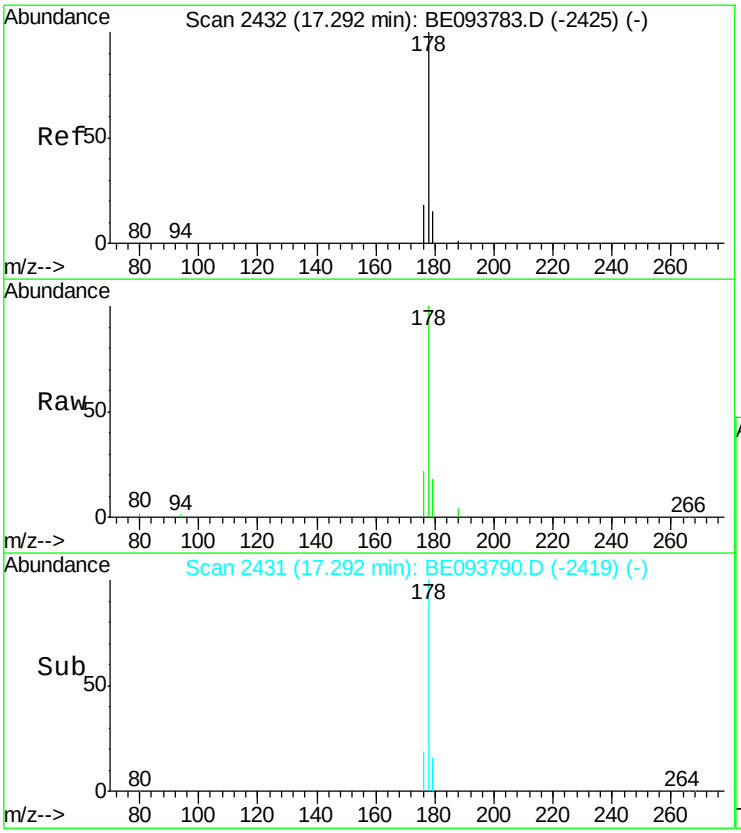
Tgt Ion:166 Resp: 13084

Ion	Ratio	Lower	Upper
166	100		
165	104.0	73.4	110.2
167	20.5	14.6	22.0

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

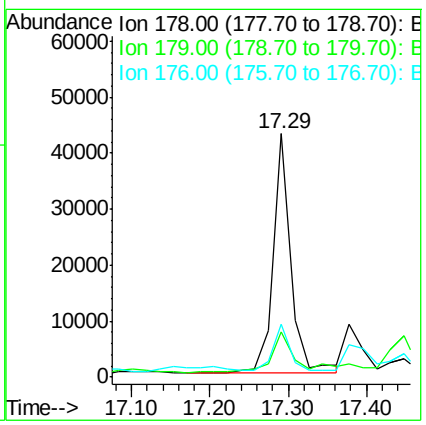


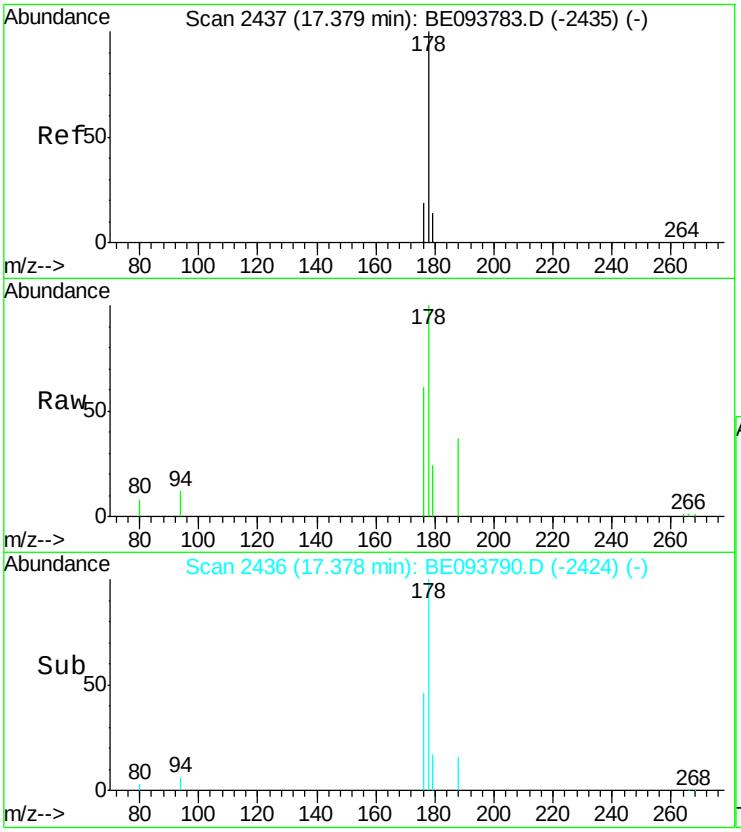


#12
Phenanthrene
Concen: 1.209 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:178 Resp: 68010

Ion	Ratio	Lower	Upper
178	100		
179	18.3	18.4	27.6#
176	21.9	13.6	20.4#





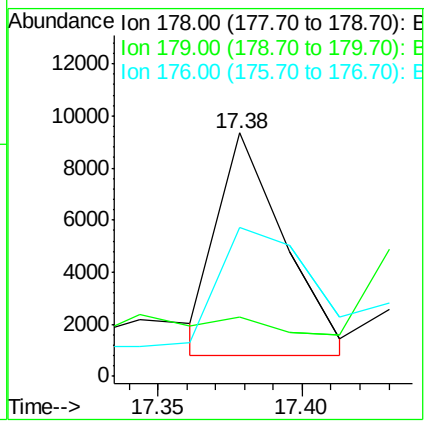
#13
Anthracene
Concen: 0.250 ng/ul m
RT: 17.38 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

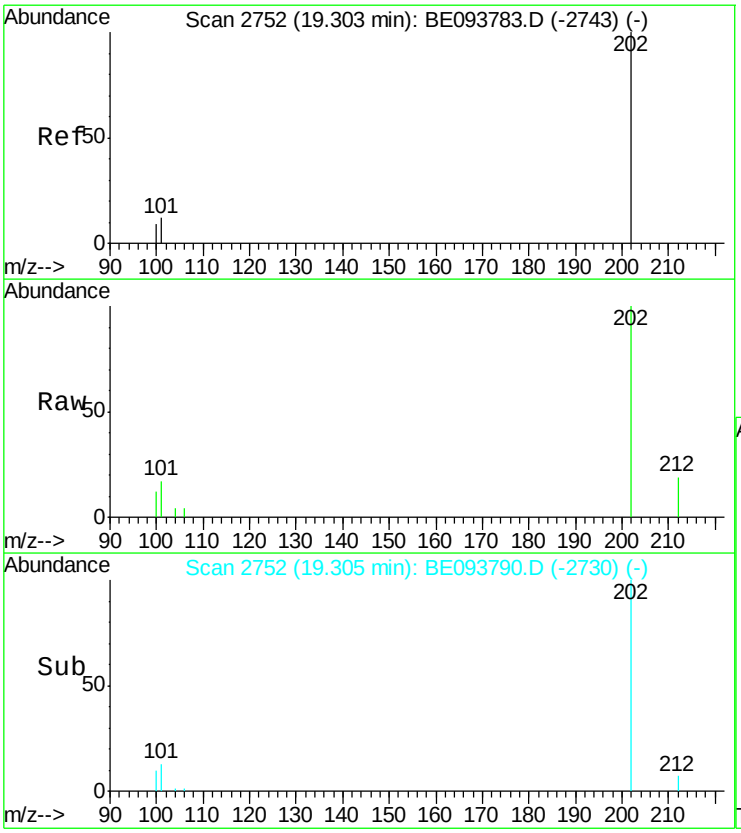
Tgt Ion:178 Resp: 13722

Ion	Ratio	Lower	Upper
178	100		
179	24.3	18.1	27.1
176	61.0	14.7	22.1#

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

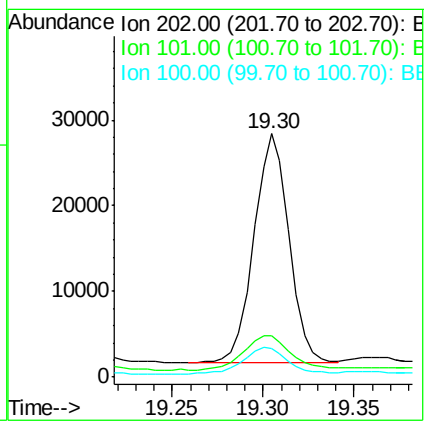


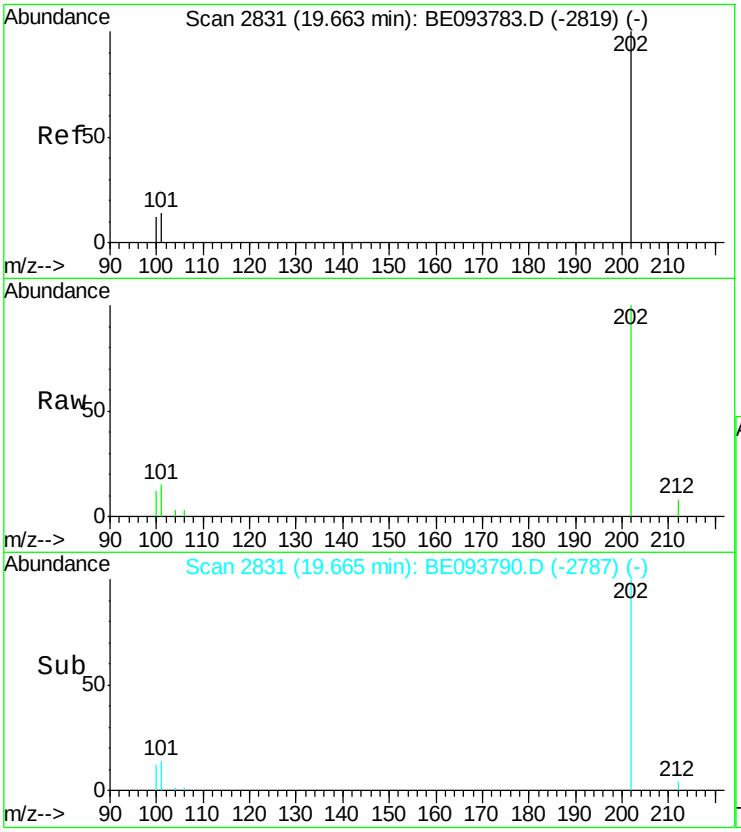


#15
Fluoranthene
Concen: 0.513 ng/ul
RT: 19.30 min Scan# 2752
Delta R.T. 0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:202 Resp: 36069

Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	30.3
100	11.7	0.0	39.5





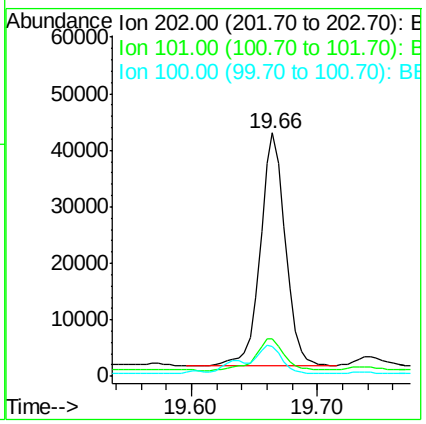
#17
Pyrene
Concen: 0.941 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

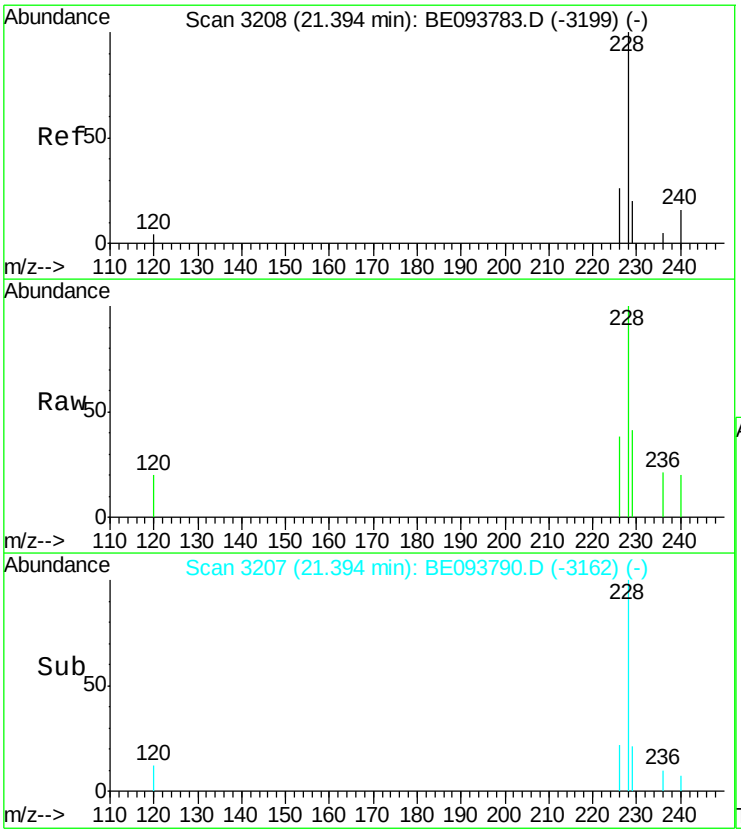
Tgt Ion:202 Resp: 57676

Ion	Ratio	Lower	Upper
202	100		
101	15.3	18.2	27.4#
100	12.4	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

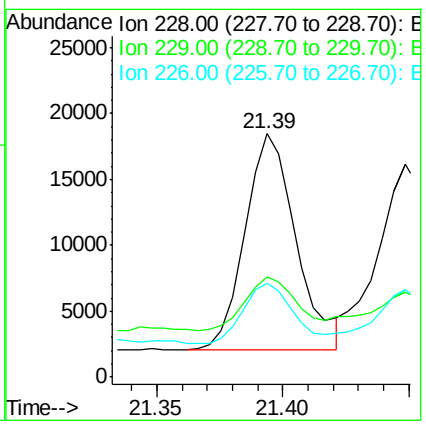


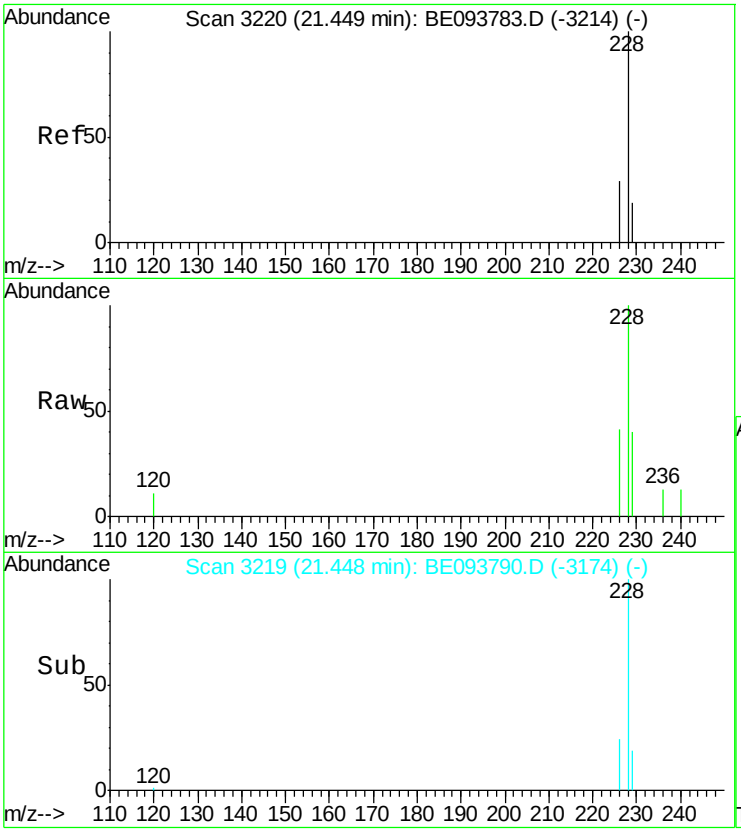


#18
Benzo(a)anthracene
Concen: 0.379 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. 0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:228 Resp: 23056

Ion	Ratio	Lower	Upper
228	100		
229	41.0	22.8	34.2#
226	38.5	17.0	25.6#





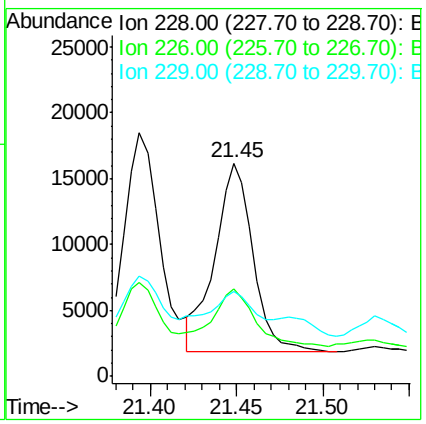
#19
Chrysene
Concen: 0.380 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

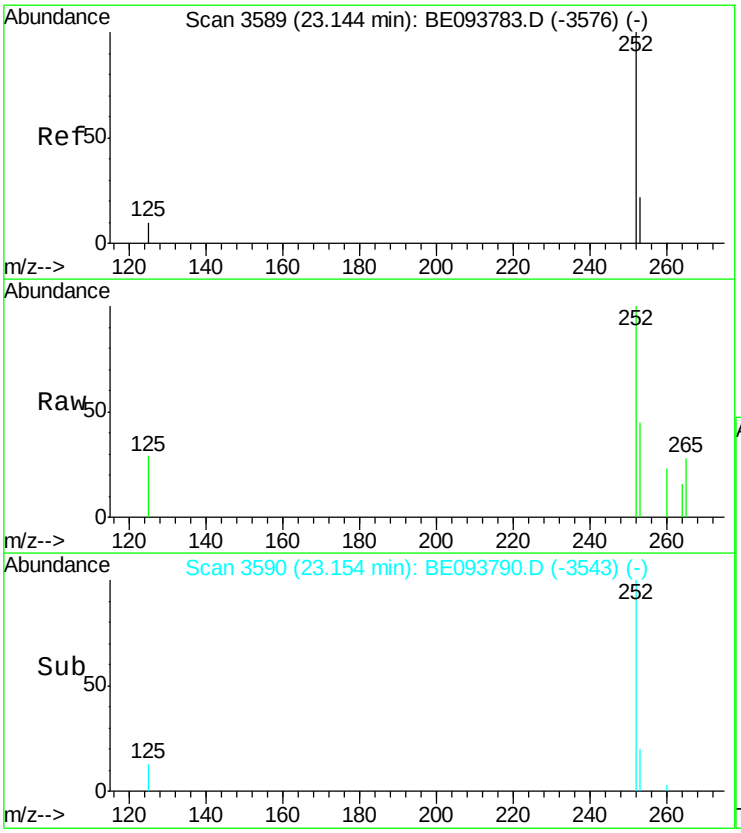
Tgt Ion:228 Resp: 22164

Ion	Ratio	Lower	Upper
228	100		
226	40.8	23.4	35.0#
229	39.7	17.7	26.5#

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

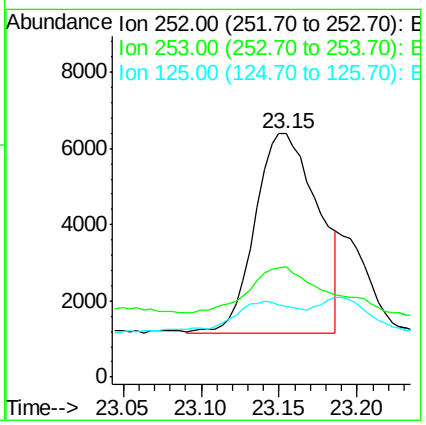


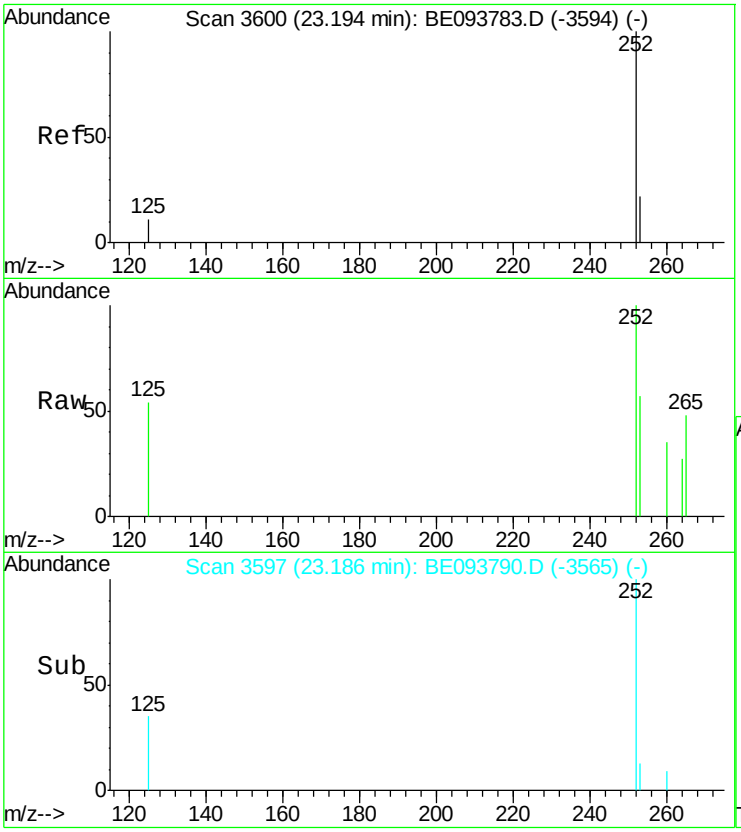


#21
Benzo(b)fluoranthene
Concen: 0.235 ng/ul m
RT: 23.15 min Scan# 3590
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:252 Resp: 14771

Ion	Ratio	Lower	Upper
252	100		
253	45.2	0.0	64.2
125	29.2	0.0	35.0





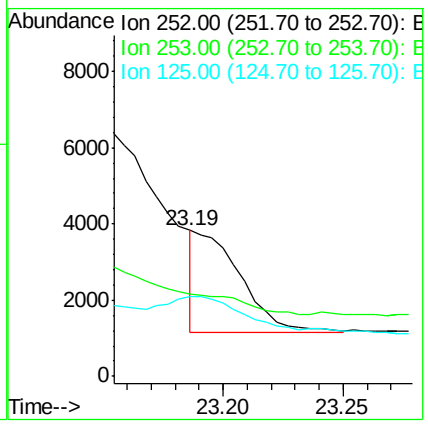
#22
Benzo(k)fluoranthene
Concen: 0.057 ng/ul m
RT: 23.19 min Scan# 3597
Delta R.T. -0.00 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

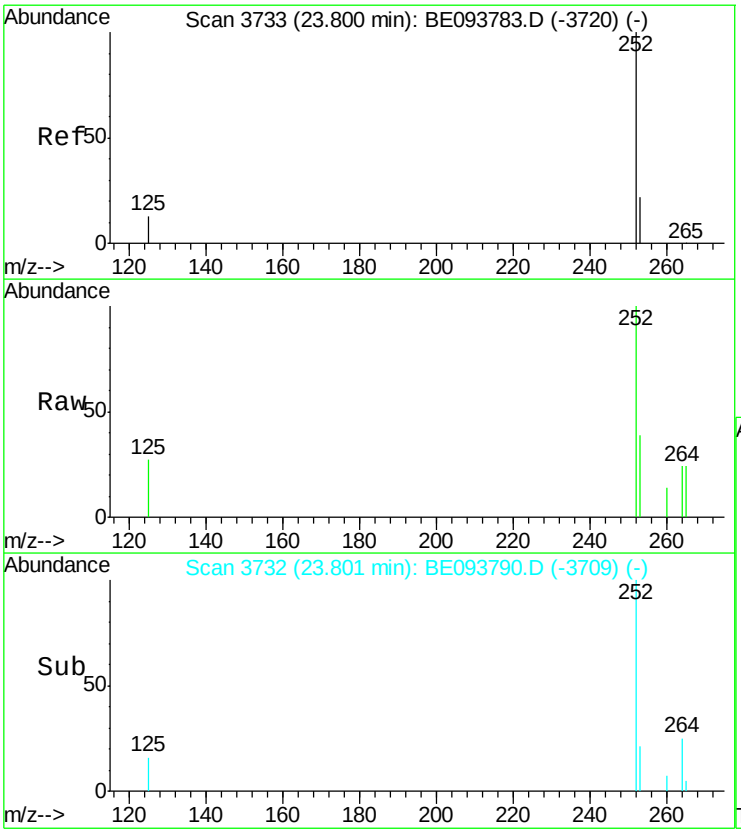
Tgt Ion:252 Resp: 3508

Ion	Ratio	Lower	Upper
252	100		
253	56.8	24.5	36.7#
125	54.3	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

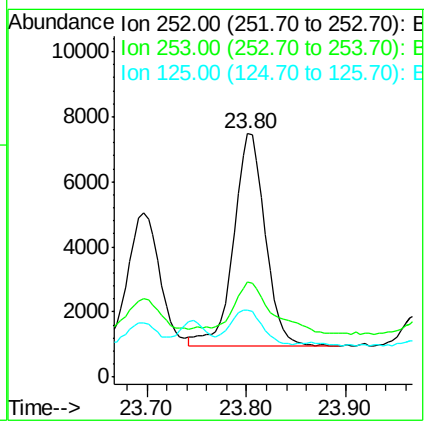


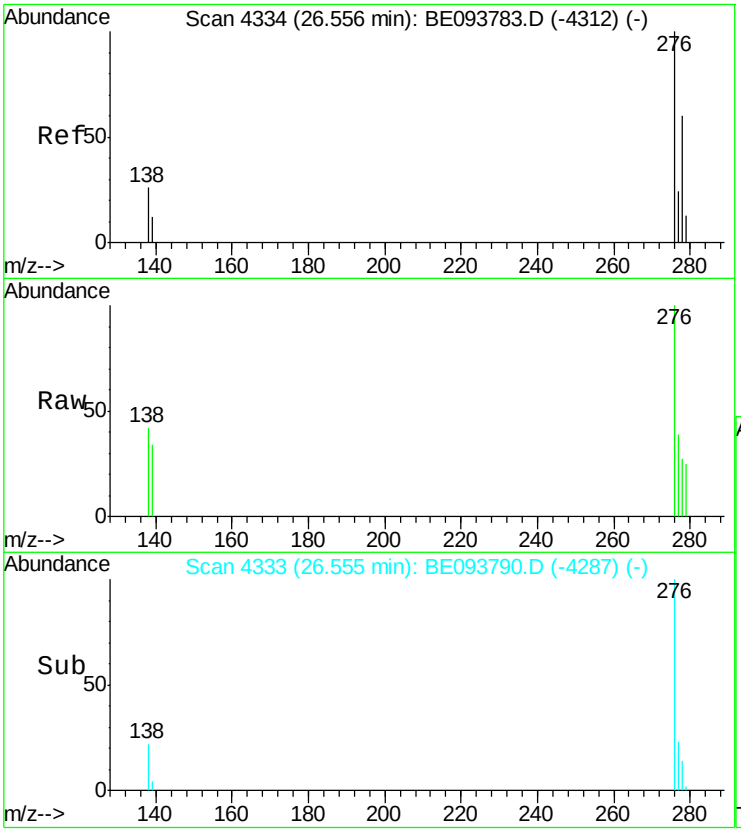


#23
Benzo(a)pyrene
Concen: 0.244 ng/ul
RT: 23.80 min Scan# 3732
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:252 Resp: 14583

Ion	Ratio	Lower	Upper
252	100		
253	38.8	28.5	42.7
125	27.4	18.1	27.1#





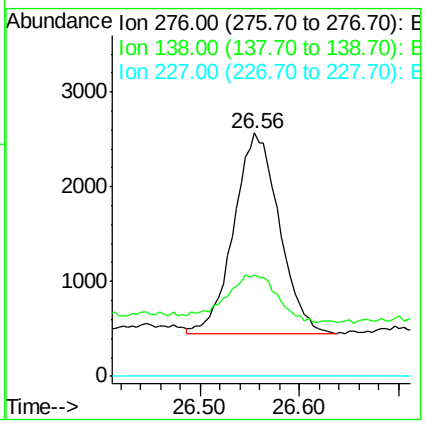
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.102 ng/ul
RT: 26.56 min Scan# 4333
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

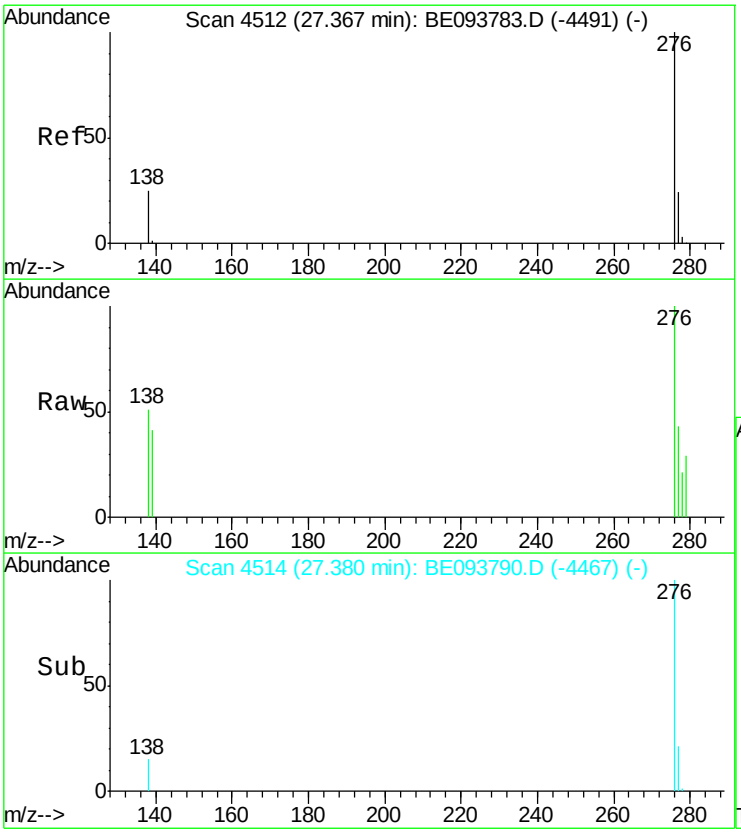
Instrument :
BNA_E
ClientSampleId :
C0AA8DL

Manual Integrations APPROVED
Sohil
8/15/2017 6:43:21 PM

Tgt Ion:276 Resp: 6738

Ion	Ratio	Lower	Upper
276	100		
138	27.0	28.0	42.0#
227	0.0	8.0	12.0#





#26
Benzo(g,h,i)perylene
Concen: 0.084 ng/ul
RT: 27.38 min Scan# 4514
Delta R.T. 0.01 min
Lab File: BE093790.D
Acq: 14 Aug 2017 16:58

Tgt Ion:276 Resp: 4692

Ion	Ratio	Lower	Upper
276	100		
138	50.6	21.8	32.8#
277	43.4	20.5	30.7#