Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081017\
Data File : BE093748.D
Acq On : 10 Aug 2017 15:16
Operator : SJ/JU
Sample : I4455-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AD8

Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

Quant Time: Aug 11 18:04:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 06:07:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3123	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	16050	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	9735	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	22566	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	22930	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	24345	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3030	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	8523	0.12	ng/ul	0.00
Target Compounds						Qvalue
5) 2-Methylnaphthalene	12.36	142	1654	0.058	ng/ul	100
9) Fluorene	15.57	166	1598	0.039	ng/ul#	79
12) Phenanthrene	17.29	178	11150	0.181	ng/ul#	90
13) Anthracene	17.38	178	2600	0.043	ng/ul#	82
15) Fluoranthene	19.30	202	11610	0.151	ng/ul	84
17) Pyrene	19.66	202	13752	0.205	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	5536	0.083	ng/ul#	88
19) Chrysene	21.45	228	5610m	0.088	ng/ul	
21) Benzo(b)fluoranthene	23.14	252	5922m	0.079	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	2065m	0.028	ng/ul	
23) Benzo(a)pyrene	23.80	252	4411	0.062	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	26.54	276	2387	0.030	ng/ul#	85
26) Benzo(g,h,i)perylene	27.36	276	1948	0.029	ng/ul#	81

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

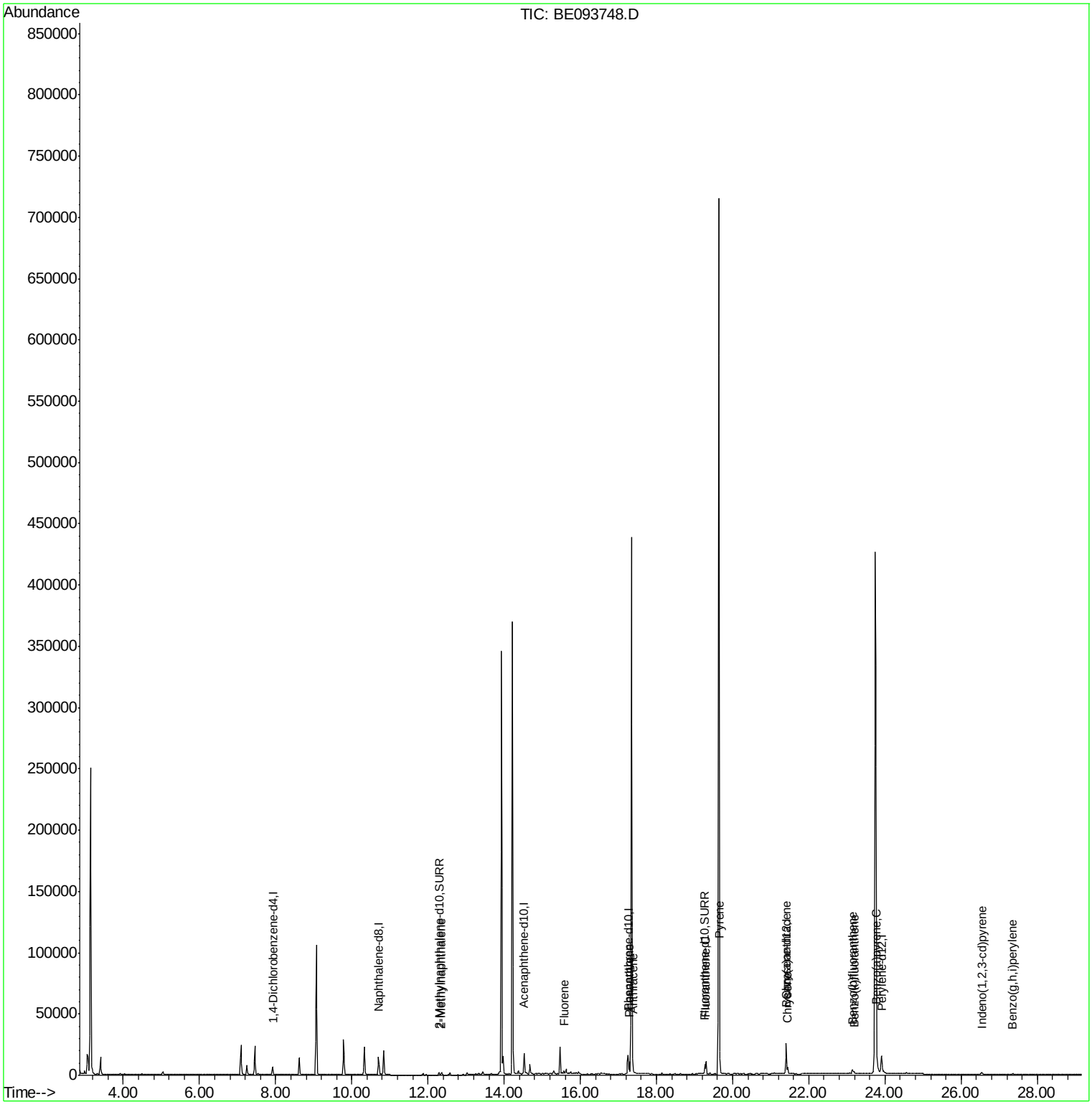
Quantitation Report (QT Reviewed)

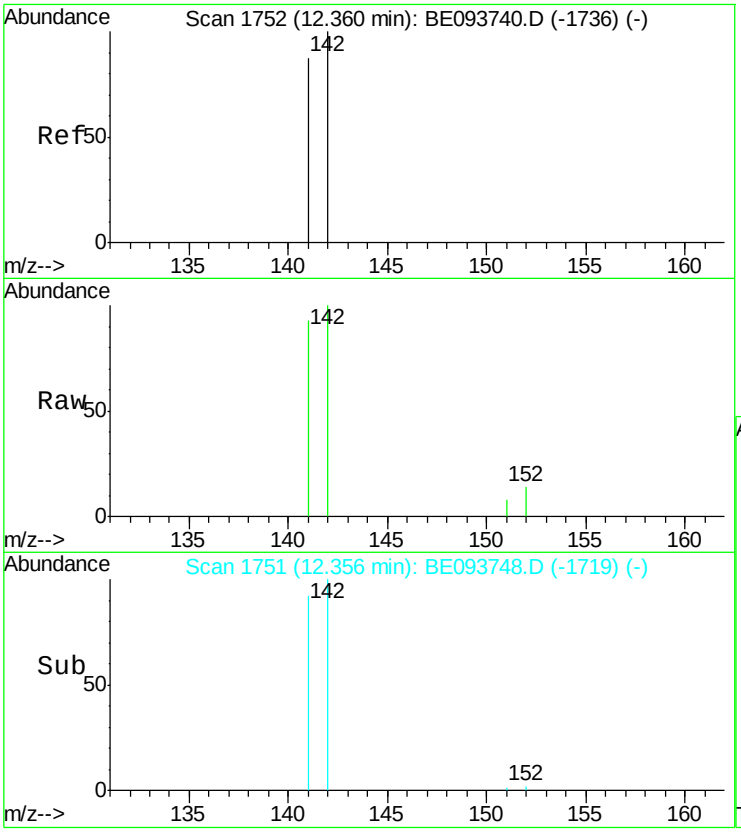
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081017\
Data File : BE093748.D
Acq On : 10 Aug 2017 15:16
Operator : SJ/JU
Sample : I4455-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 11 18:04:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 06:07:04 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
C0AD8

Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM





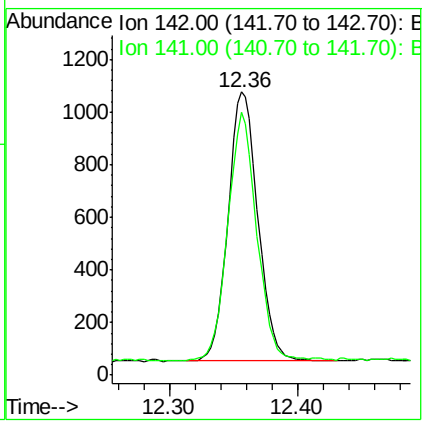
#5
2-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.36 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

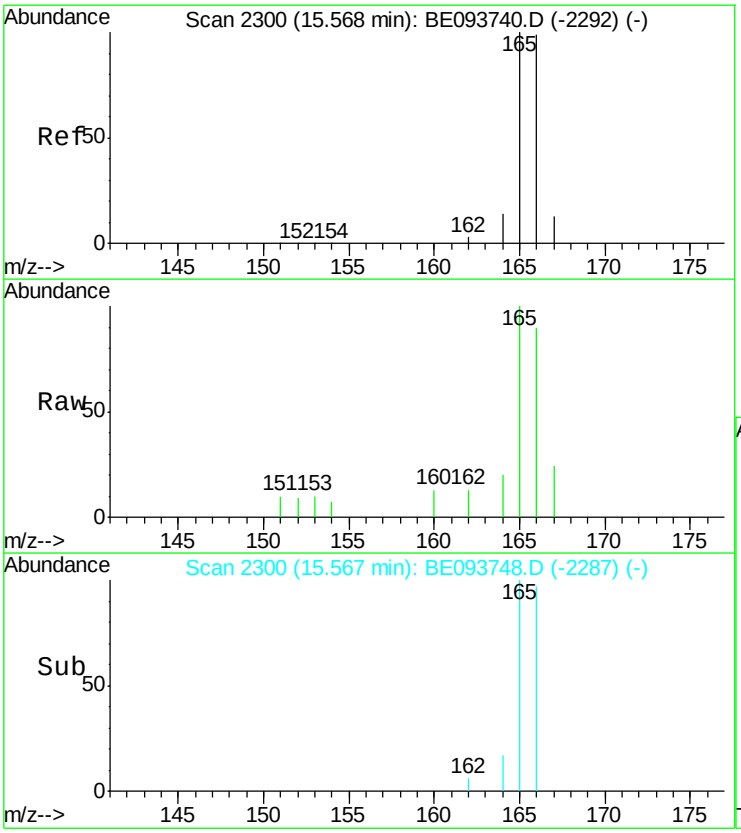
Tgt Ion:142 Resp: 1654

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.6	108.8

Instrument :
BNA_E
ClientSampleId :
C0AD8

Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

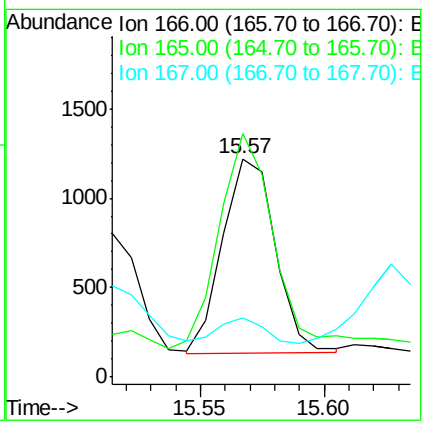


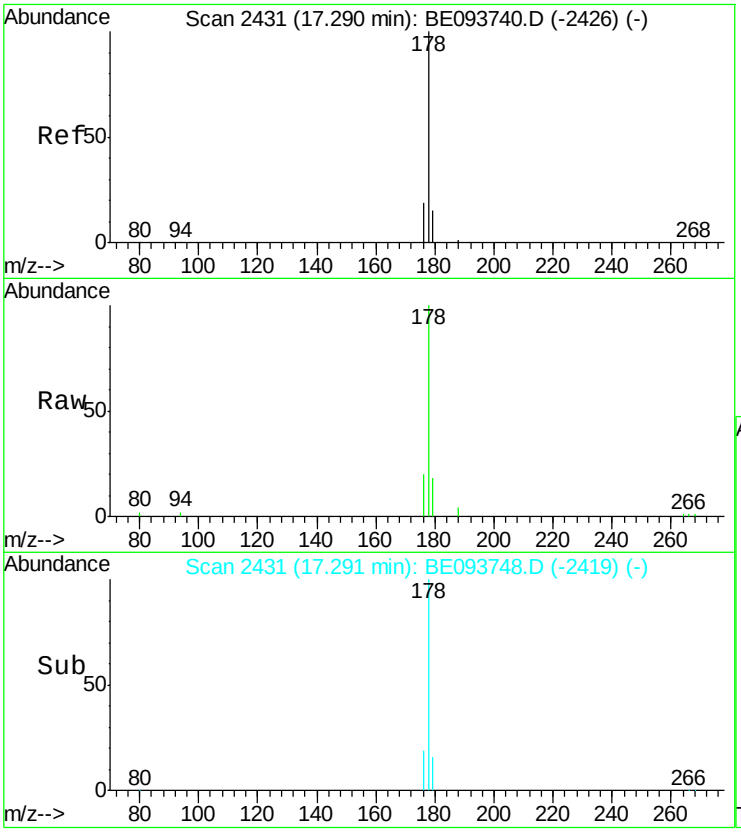


#9
Fluorene
Concen: 0.039 ng/ul
RT: 15.57 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:166 Resp: 1598

Ion	Ratio	Lower	Upper
166	100		
165	111.6	73.4	110.2#
167	27.0	14.6	22.0#

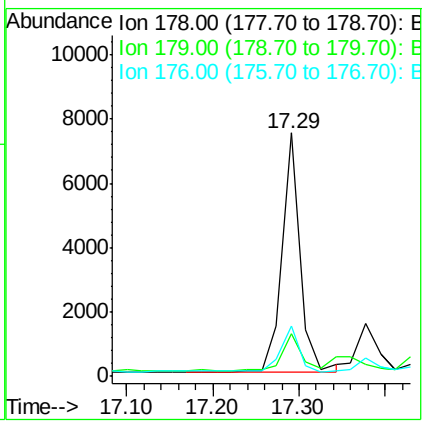




#12
Phenanthrene
Concen: 0.181 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

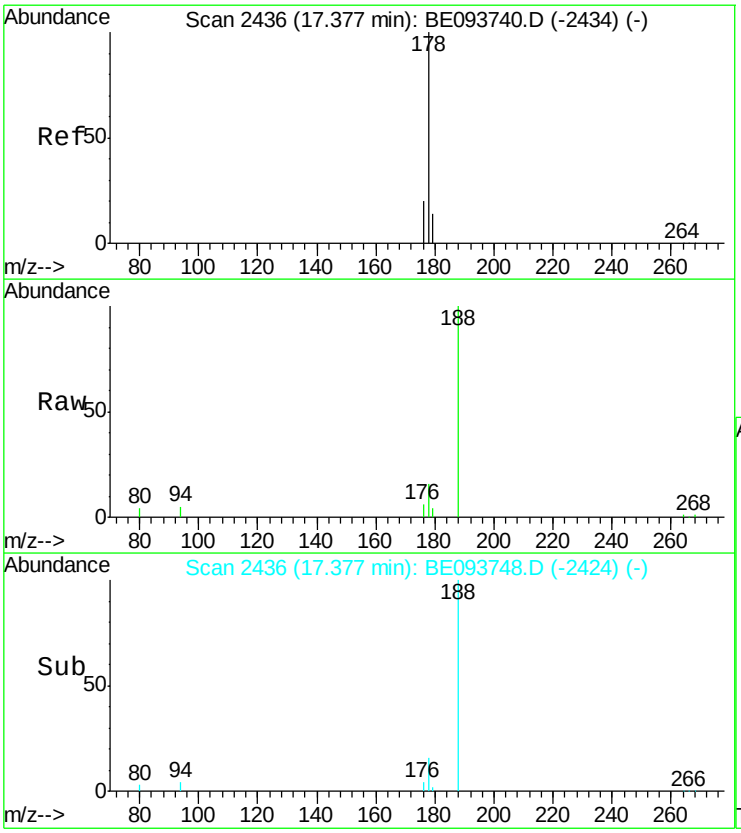
Tgt Ion:178 Resp: 11150

Ion	Ratio	Lower	Upper
178	100		
179	17.7	18.4	27.6#
176	20.5	13.6	20.4#



Instrument :
BNA_E
ClientSampleId :
C0AD8

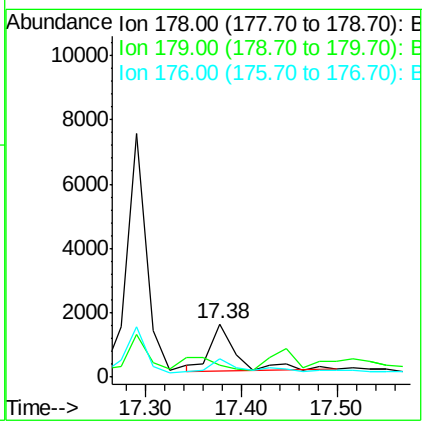
Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

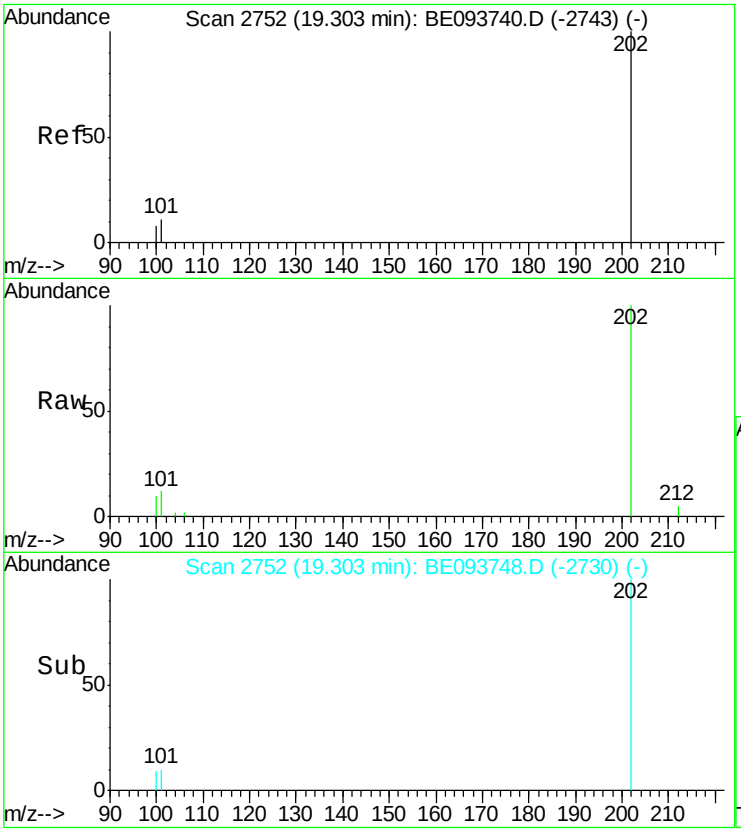


#13
Anthracene
Concen: 0.043 ng/ul
RT: 17.38 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:178 Resp: 2600

Ion	Ratio	Lower	Upper
178	100		
179	23.7	18.1	27.1
176	35.2	14.7	22.1#





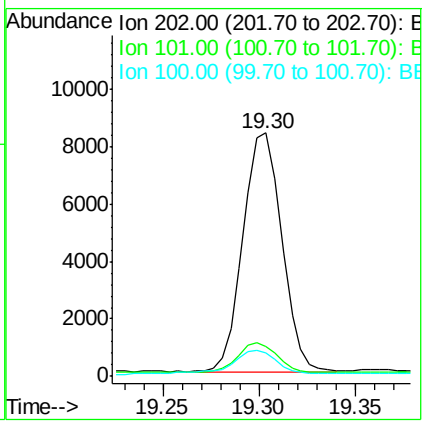
#15
Fluoranthene
Concen: 0.151 ng/ul
RT: 19.30 min Scan# 2752
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

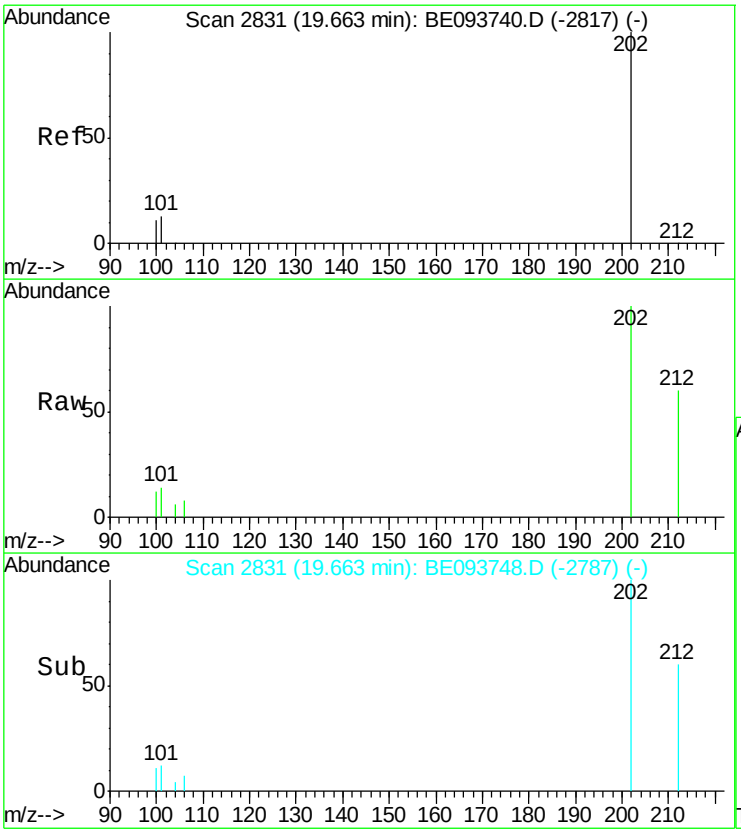
Tgt Ion:202 Resp: 11610

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	30.3
100	9.6	0.0	39.5

Instrument :
BNA_E
ClientSampleId :
C0AD8

Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

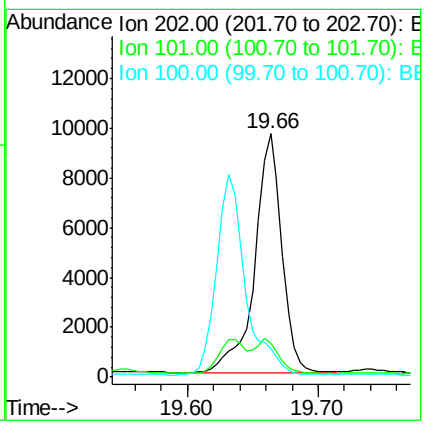


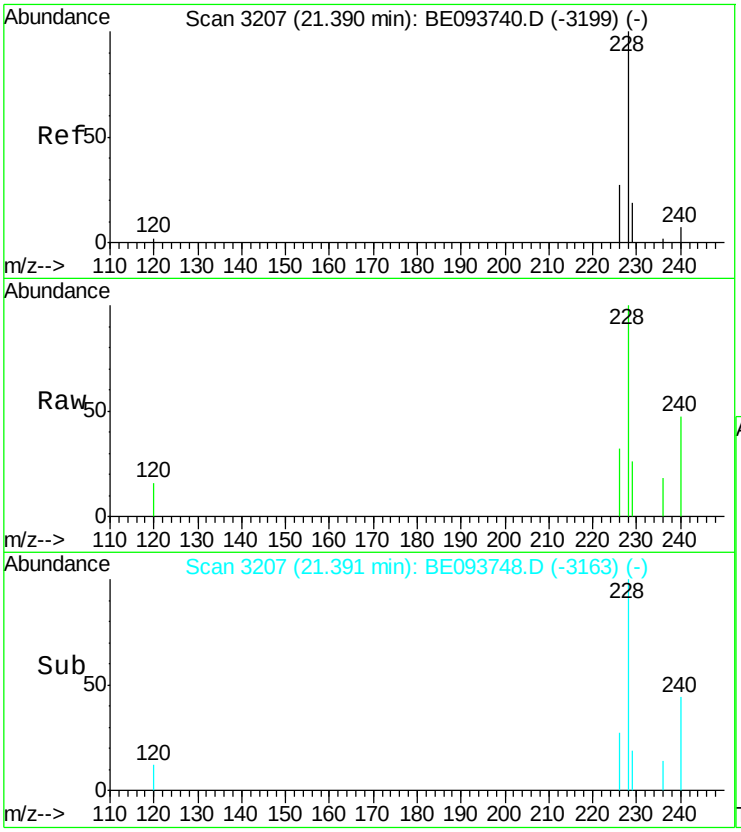


#17
Pyrene
Concen: 0.205 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:202 Resp: 13752

Ion	Ratio	Lower	Upper
202	100		
101	14.0	18.2	27.4#
100	11.8	15.6	23.4#

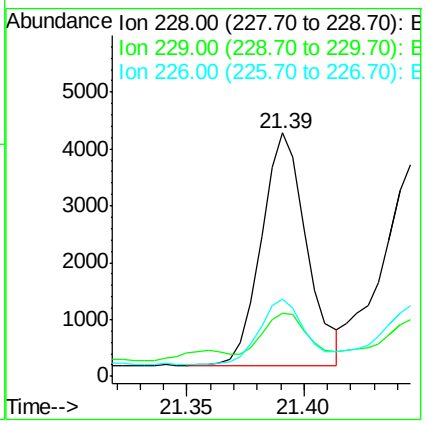




#18
Benzo(a)anthracene
Concen: 0.083 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. 0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

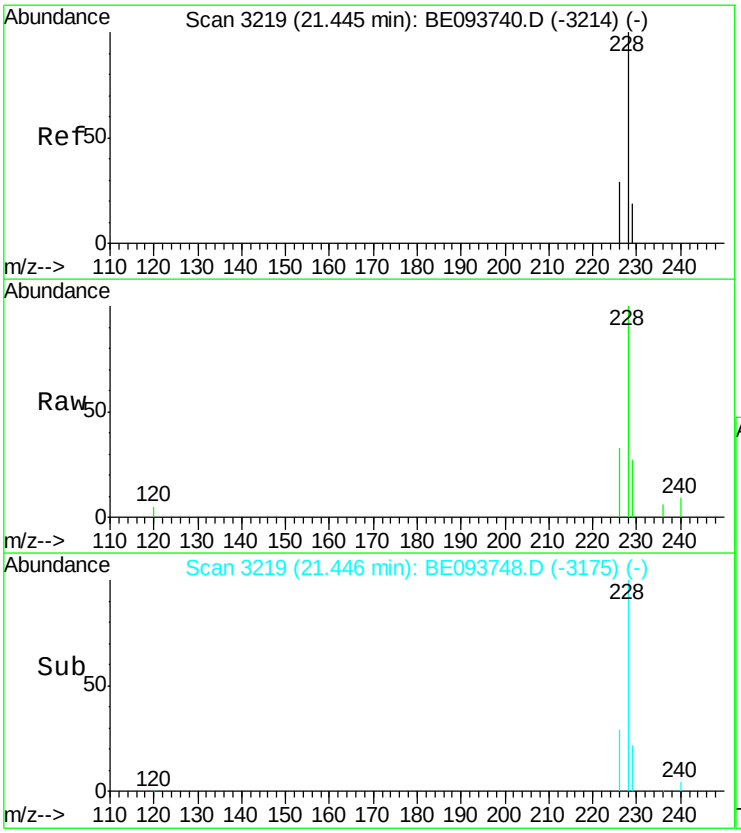
Tgt Ion:228 Resp: 5536

Ion	Ratio	Lower	Upper
228	100		
229	26.2	22.8	34.2
226	31.6	17.0	25.6#



Instrument :
BNA_E
ClientSampleId :
C0AD8

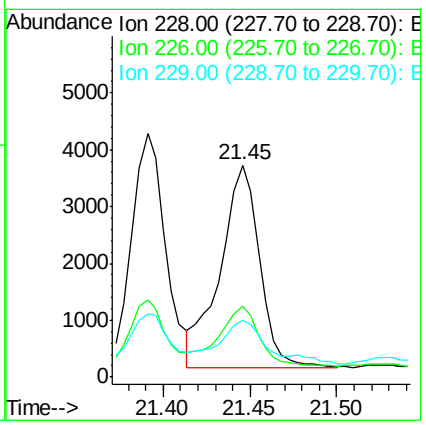
Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

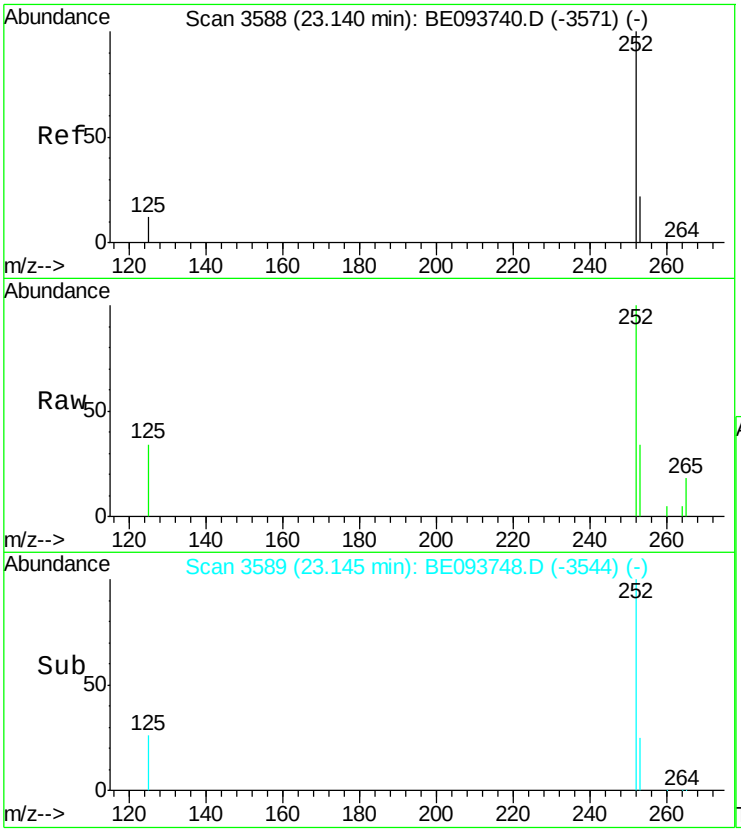


#19
Chrysene
Concen: 0.088 ng/ul m
RT: 21.45 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:228 Resp: 5610

Ion	Ratio	Lower	Upper
228	100		
226	33.4	23.4	35.0
229	27.1	17.7	26.5#

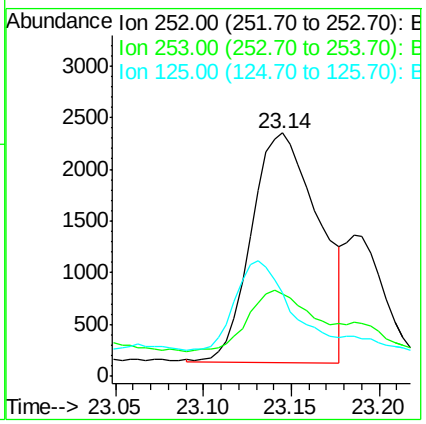




#21
Benzo(b)fluoranthene
Concen: 0.079 ng/ul m
RT: 23.14 min Scan# 3589
Delta R.T. 0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

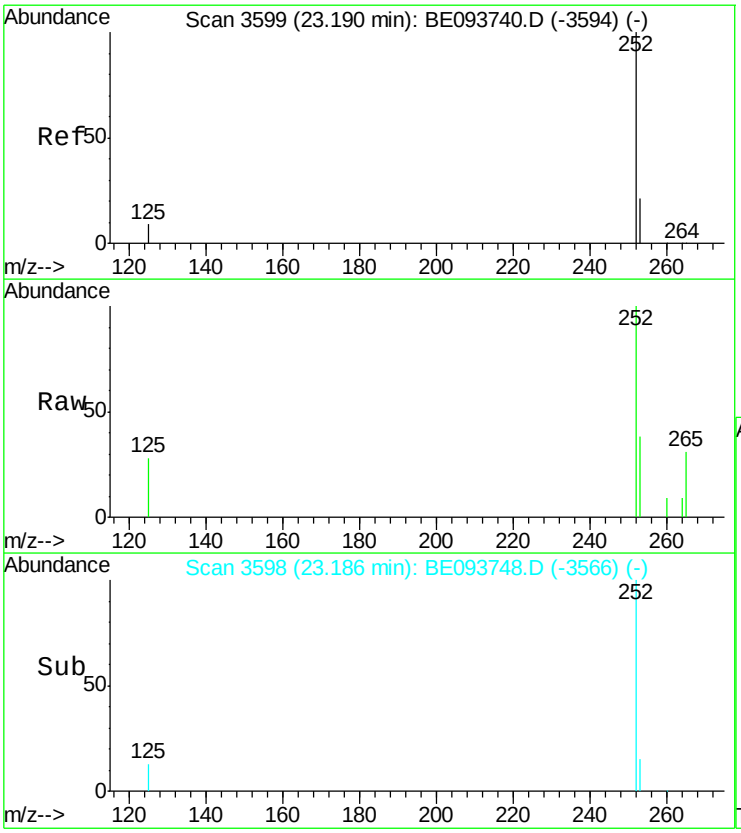
Tgt Ion:252 Resp: 5922

Ion	Ratio	Lower	Upper
252	100		
253	33.5	0.0	64.2
125	34.5	0.0	35.0



Instrument :
BNA_E
ClientSampleId :
C0AD8

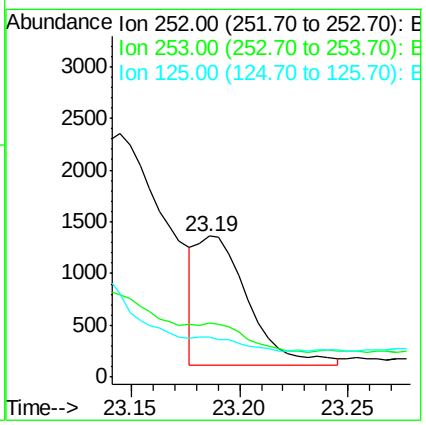
Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

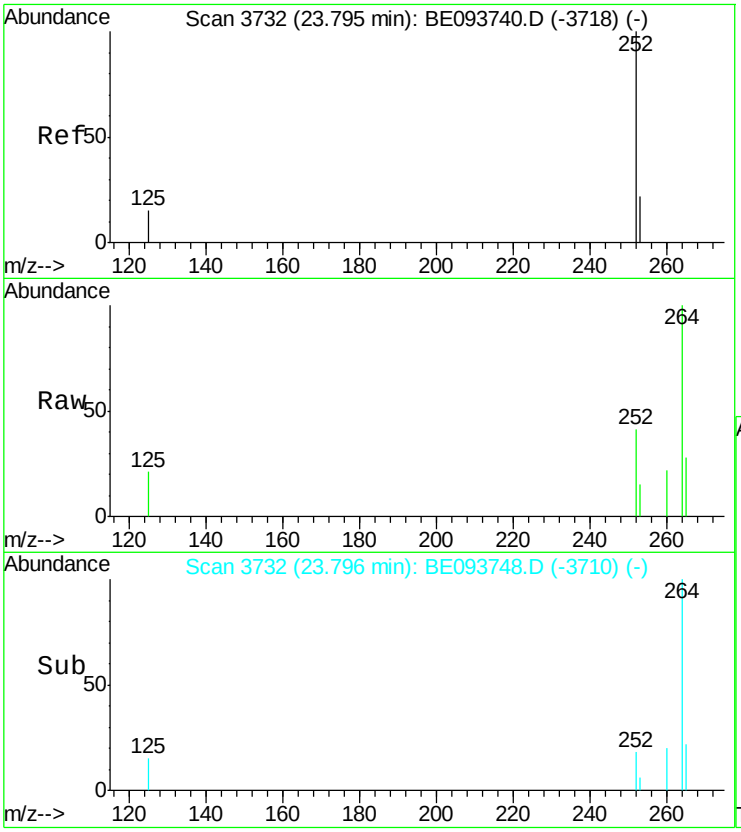


#22
Benzo(k)fluoranthene
Concen: 0.028 ng/ul m
RT: 23.19 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:252 Resp: 2065

Ion	Ratio	Lower	Upper
252	100		
253	38.0	24.5	36.7#
125	28.3	13.7	20.5#





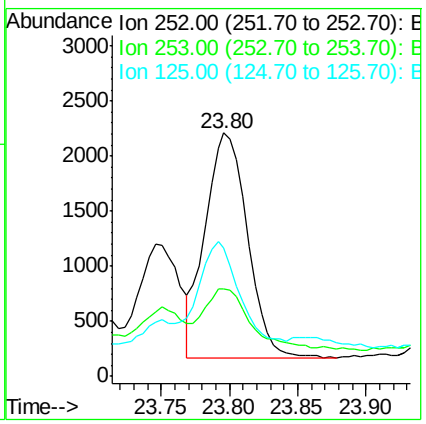
#23
Benzo(a)pyrene
Concen: 0.062 ng/ul
RT: 23.80 min Scan# 3732
Delta R.T. 0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

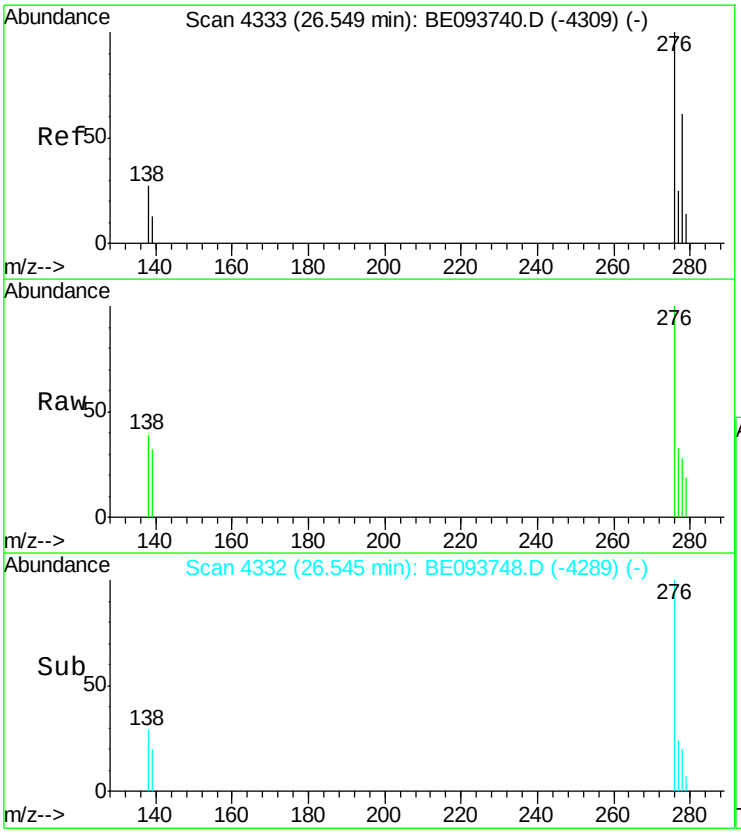
Tgt Ion:252 Resp: 4411

Ion	Ratio	Lower	Upper
252	100		
253	36.1	28.5	42.7
125	52.5	18.1	27.1#

Instrument :
BNA_E
ClientSampleId :
C0AD8

Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM

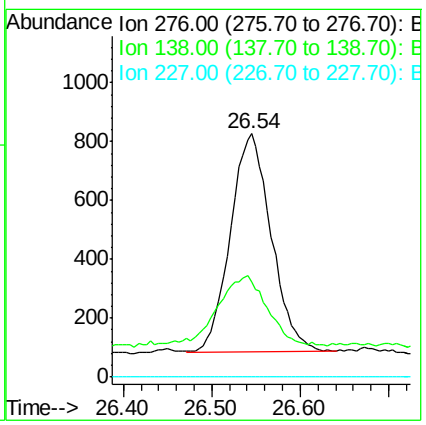


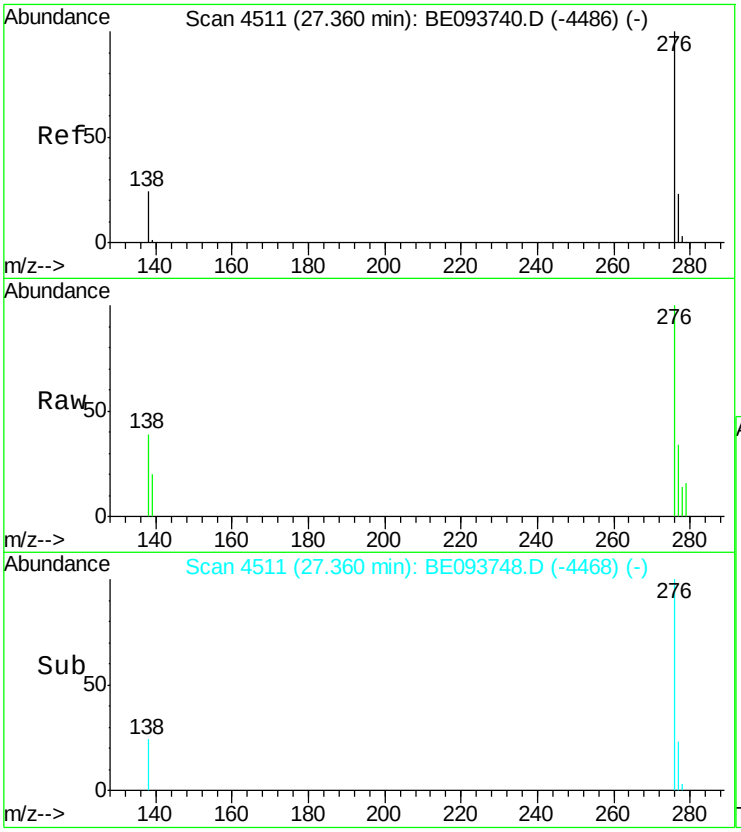


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.030 ng/ul
RT: 26.54 min Scan# 4332
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:276 Resp: 2387

Ion	Ratio	Lower	Upper
276	100		
138	41.7	28.0	42.0
227	0.0	8.0	12.0#

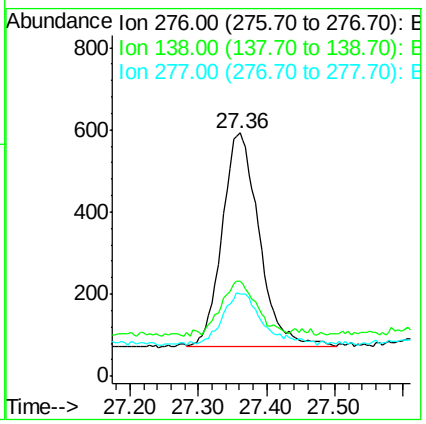




#26
Benzo(g,h,i)perylene
Concen: 0.029 ng/ul
RT: 27.36 min Scan# 4511
Delta R.T. -0.00 min
Lab File: BE093748.D
Acq: 10 Aug 2017 15:16

Tgt Ion:276 Resp: 1948

Ion	Ratio	Lower	Upper
276	100		
138	39.0	21.8	32.8#
277	33.6	20.5	30.7#



Instrument :
BNA_E
ClientSampleId :
C0AD8

Manual Integrations APPROVED
sohil
8/14/2017 7:02:26 PM