Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102516\
Data File : BM007733.D
Acq On : 25 Oct 2016 11:34
Operator : UM/SJ
Sample : H5349-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

Quant Time: Oct 25 12:20:52 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 11:26:15 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	933	0.40	ng/ul	0.00
2) Naphthalene-d8	10.57	136	2831	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.40	164	1631	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	3035	0.40	ng/ul	0.00
16) Chrysene-d12	21.32	240	3019	0.40	ng/ul	0.00
20) Perylene-d12	23.59	264	2872	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	1129	0.34	ng/ul	0.02
14) Fluoranthene-d10	19.18	212	2690	0.39	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.62	128	2378	0.33	ng/ul#	91
5) 2-Methylnaphthalene	12.25	142	2607	0.57	ng/ul	98
7) Acenaphthylene	14.13	152	1558	0.20	ng/ul#	90
9) Fluorene	15.48	166	2874	0.44	ng/ul	97
11) Pentachlorophenol	16.82	266	1013	1.42	ng/ul	96
12) Phenanthrene	17.19	178	2890m	0.34	ng/ul	
13) Anthracene	17.30	178	3841	0.50	ng/ul	98
15) Fluoranthene	19.21	202	3198	0.32	ng/ul	98
17) Pyrene	19.57	202	4141	0.40	ng/ul	99
18) Benzo(a)anthracene	21.31	228	4322	0.50	ng/ul	99
19) Chrysene	21.37	228	5709	0.58	ng/ul	99
21) Benzo(b)fluoranthene	22.90	252	8452	0.85	ng/ul	89
22) Benzo(k)fluoranthene	22.95	252	3980	0.39	ng/ul	98
23) Benzo(a)pyrene	23.49	252	3380	0.37	ng/ul	96
25) Dibenzo(a,h)anthracene	25.87	278	8104	0.91	ng/ul	92
26) Benzo(g,h,i)perylene	26.57	276	3865	0.39	ng/ul	99

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

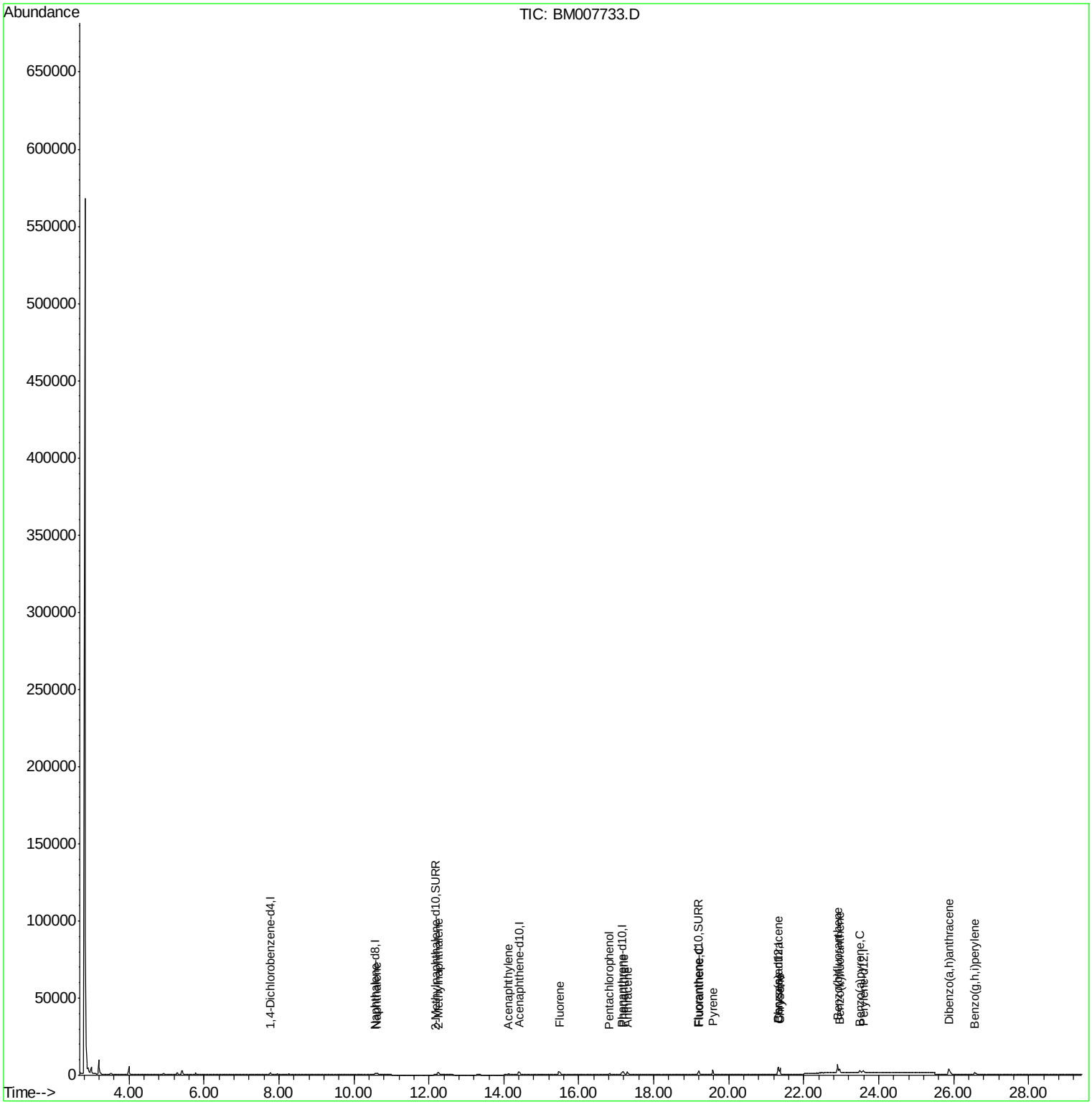
Quantitation Report (QT Reviewed)

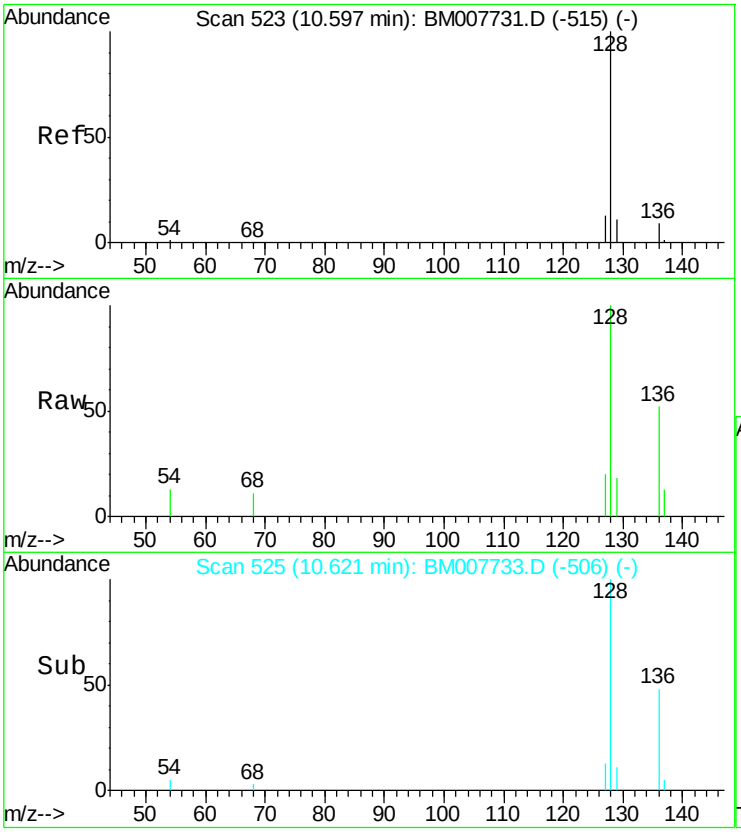
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102516\
Data File : BM007733.D
Acq On : 25 Oct 2016 11:34
Operator : UM/SJ
Sample : H5349-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 25 12:20:52 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 11:26:15 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

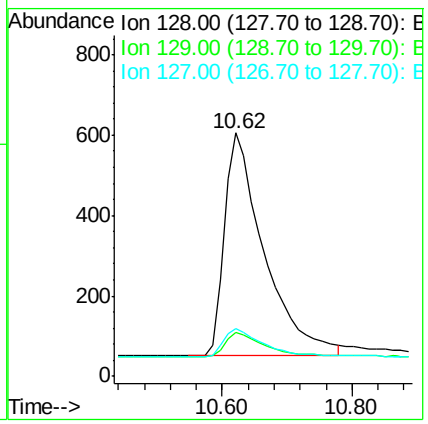




#3
Naphthalene
Concen: 0.33 ng/ul
RT: 10.62 min Scan# 525
Delta R.T. 0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

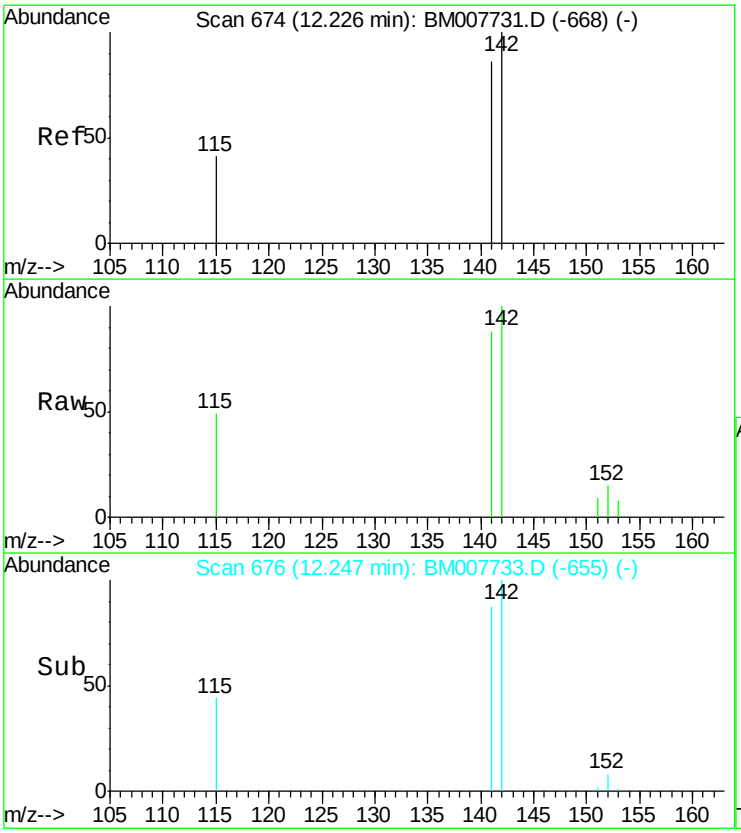
Tgt Ion:128 Resp: 2378

Ion	Ratio	Lower	Upper
128	100		
129	18.2	11.3	16.9#
127	19.8	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
X2679

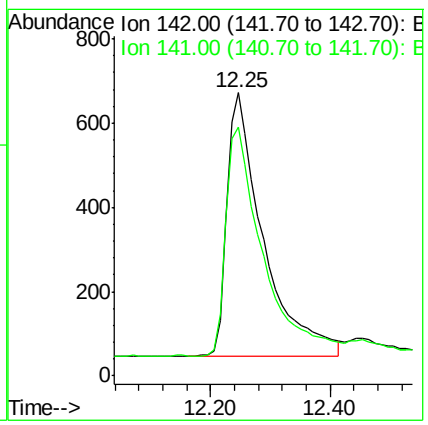
Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

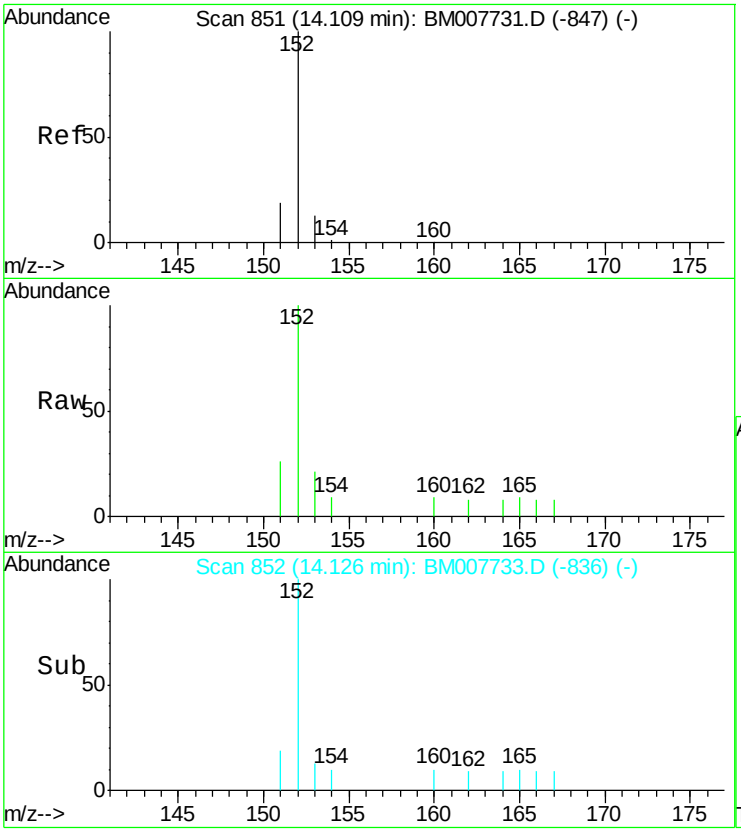


#5
2-Methylnaphthalene
Concen: 0.57 ng/ul
RT: 12.25 min Scan# 676
Delta R.T. 0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:142 Resp: 2607

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.6	108.8





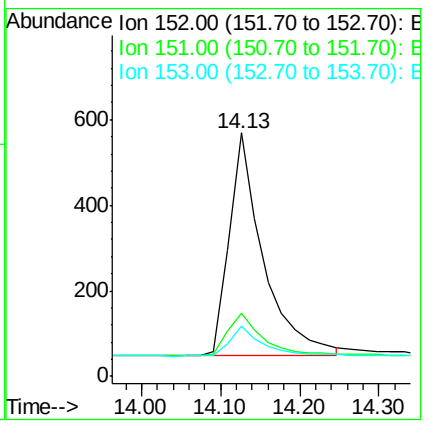
#7
Acenaphthylene
Concen: 0.20 ng/ul
RT: 14.13 min Scan# 852
Delta R.T. 0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

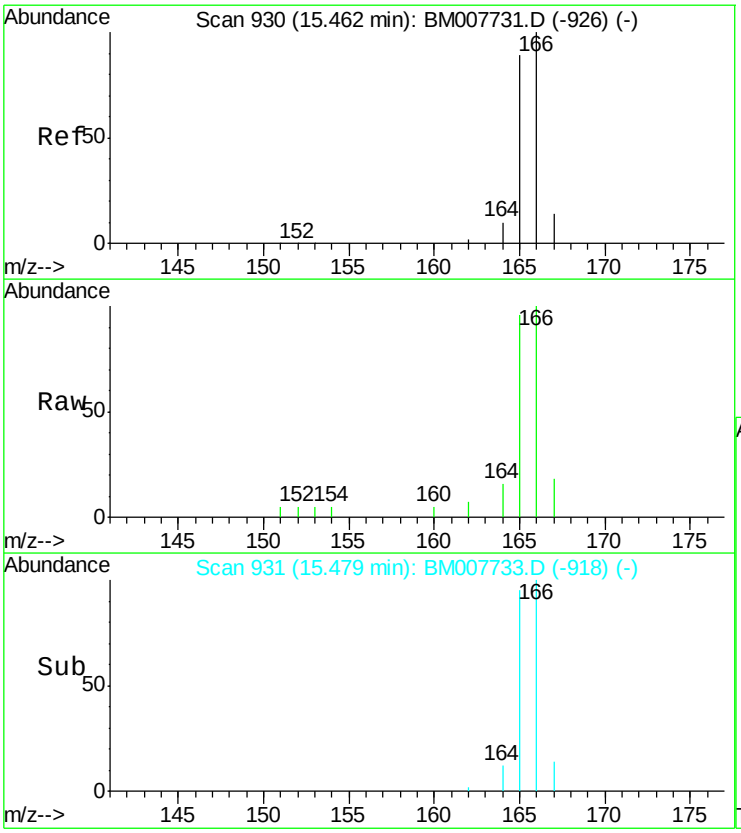
Tgt Ion:152 Resp: 1558

Ion	Ratio	Lower	Upper
152	100		
151	26.0	17.1	25.7#
153	20.6	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

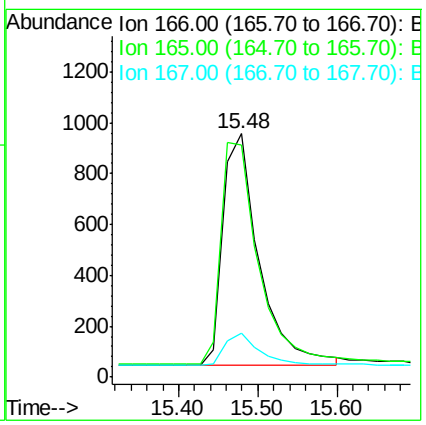


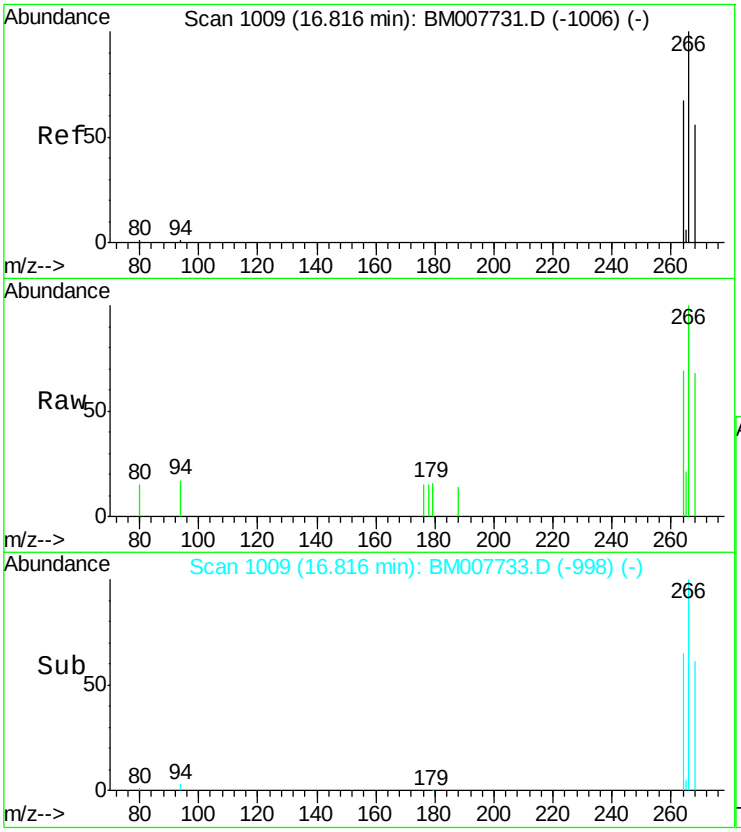


#9
Fluorene
Concen: 0.44 ng/ul
RT: 15.48 min Scan# 931
Delta R.T. 0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:166 Resp: 2874

Ion	Ratio	Lower	Upper
166	100		
165	95.5	73.4	110.2
167	17.8	14.6	22.0





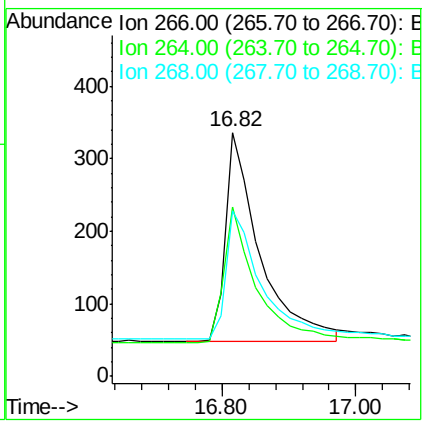
#11
Pentachlorophenol
Concen: 1.42 ng/ul
RT: 16.82 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

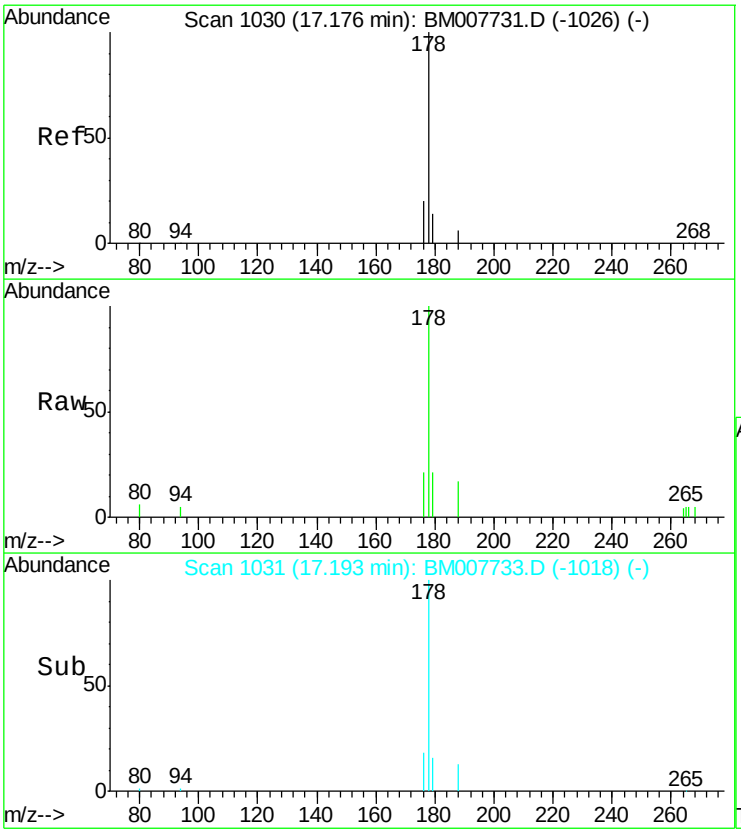
Tgt Ion:266 Resp: 1013

Ion	Ratio	Lower	Upper
266	100		
264	63.9	47.9	71.9
268	65.2	49.8	74.8

Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

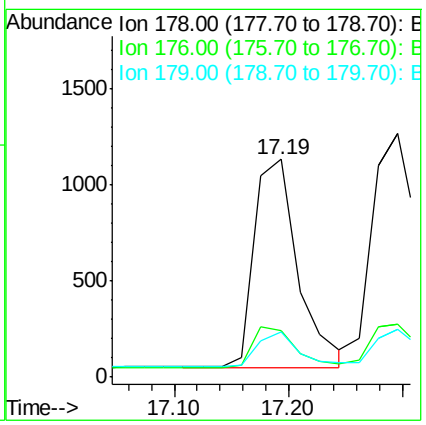


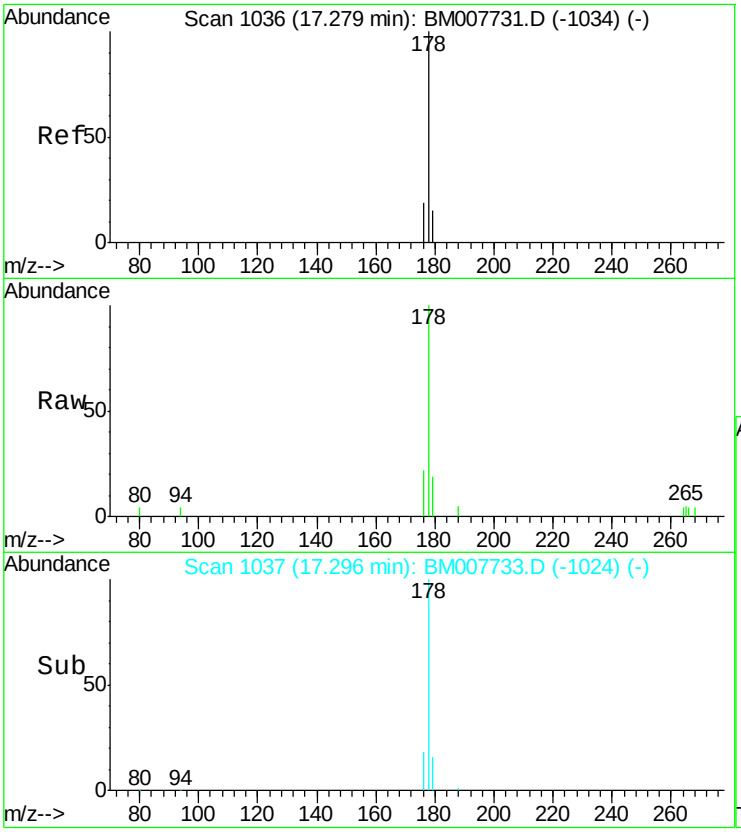


#12
Phenanthrene
Concen: 0.34 ng/ul m
RT: 17.19 min Scan# 1031
Delta R.T. 0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:178 Resp: 2890

Ion	Ratio	Lower	Upper
178	100		
176	21.2	18.4	27.6
179	20.6	13.6	20.4#

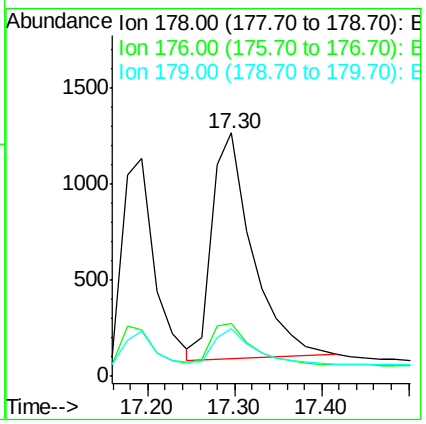




#13
Anthracene
Concen: 0.50 ng/ul
RT: 17.30 min Scan# 1037
Delta R.T. 0.02 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

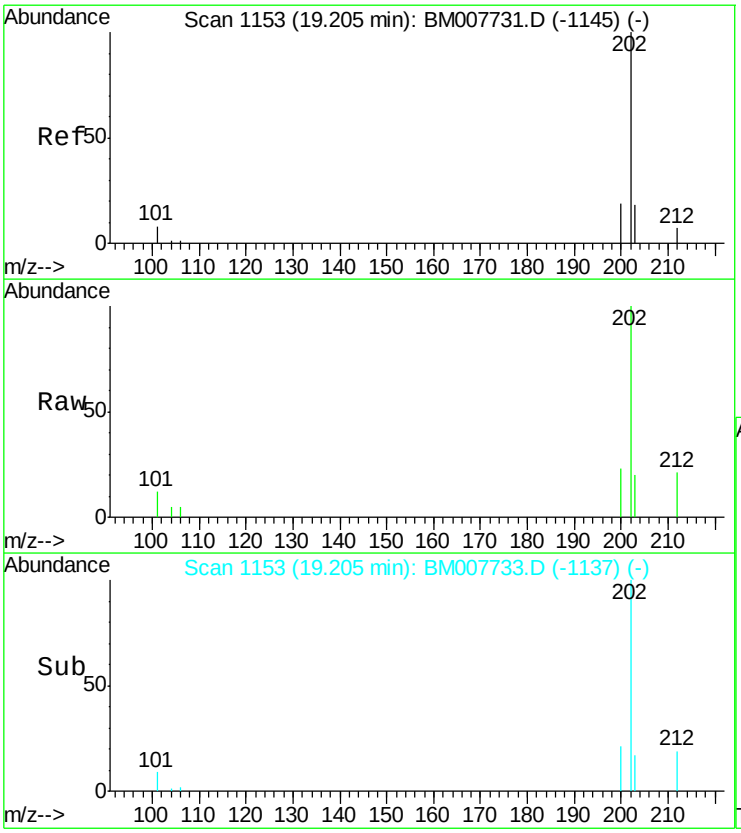
Tgt Ion:178 Resp: 3841

Ion	Ratio	Lower	Upper
178	100		
176	21.5	18.1	27.1
179	19.4	14.7	22.1



Instrument :
BNA_M
ClientSampleId :
X2679

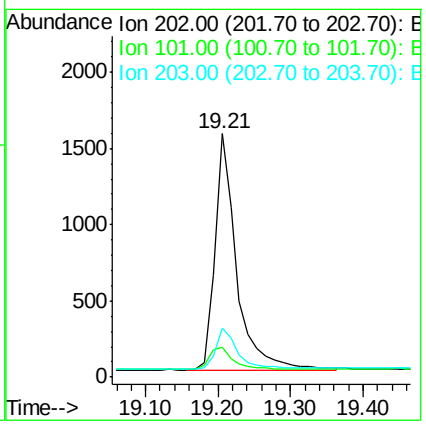
Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

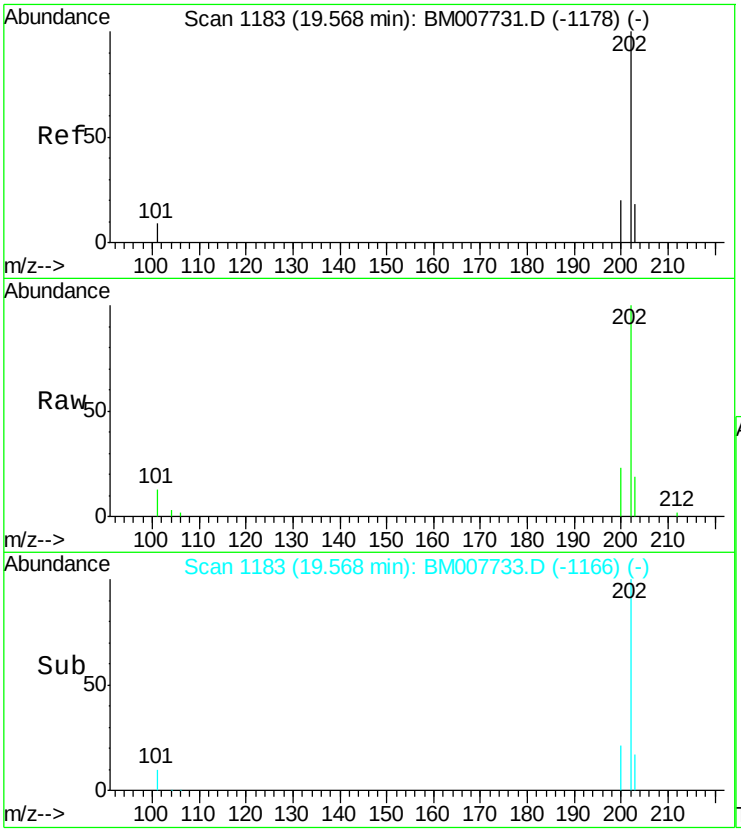


#15
Fluoranthene
Concen: 0.32 ng/ul
RT: 19.21 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:202 Resp: 3198

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.3
203	19.9	0.0	39.5





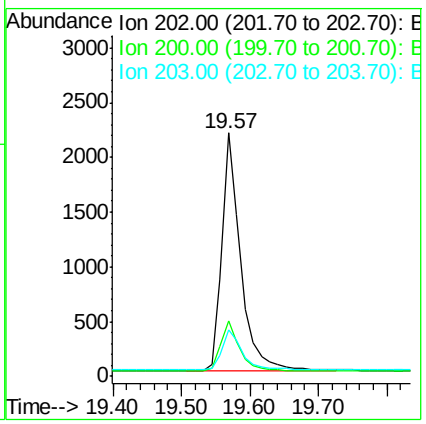
#17
Pyrene
Concen: 0.40 ng/ul
RT: 19.57 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

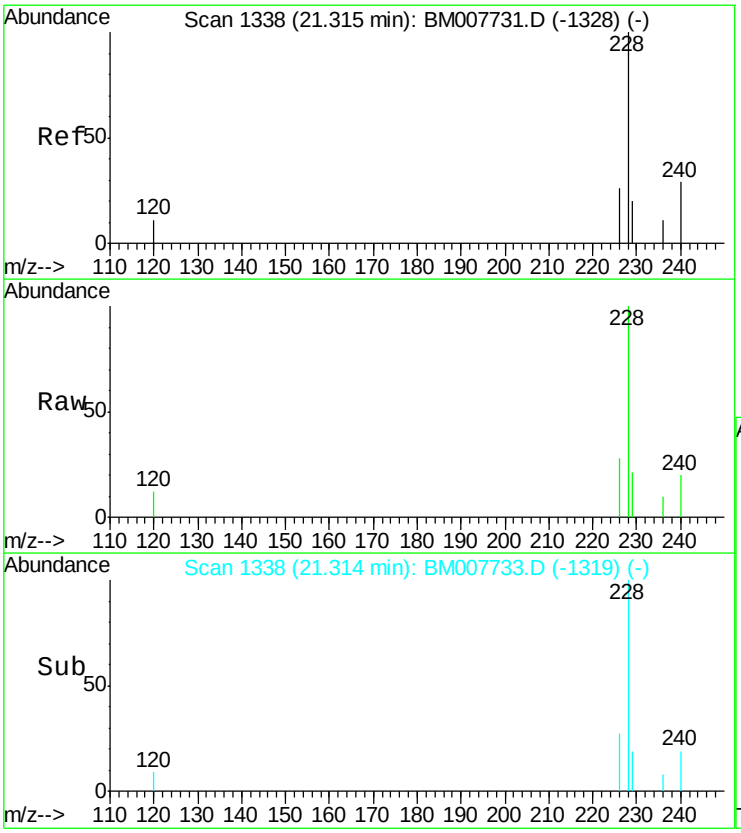
Tgt Ion:202 Resp: 4141

Ion	Ratio	Lower	Upper
202	100		
200	23.0	18.2	27.4
203	19.2	15.6	23.4

Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

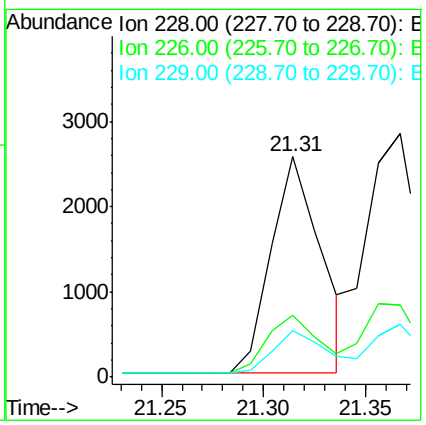


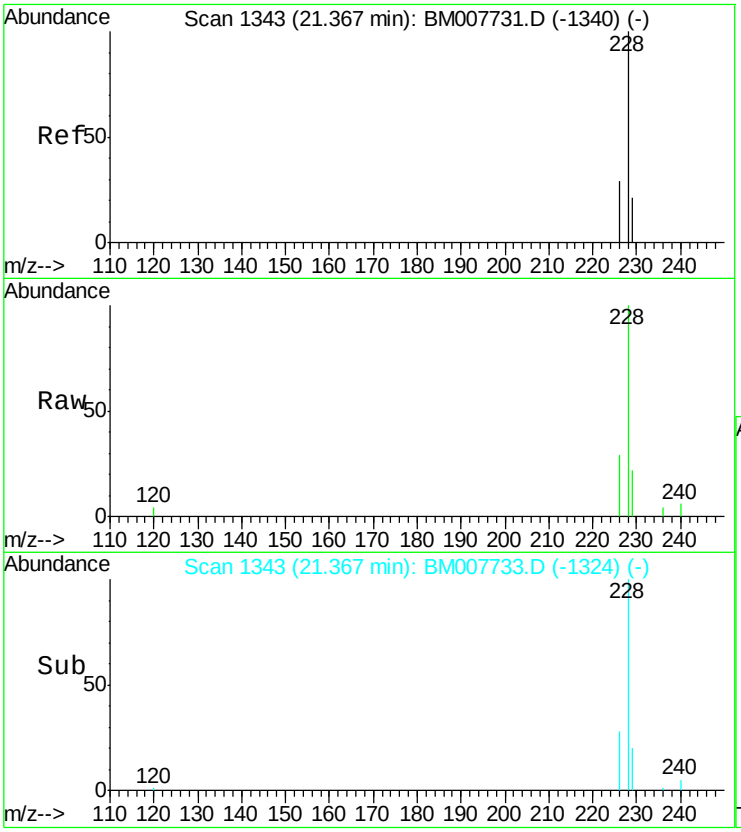


#18
Benzo(a)anthracene
Concen: 0.50 ng/ul
RT: 21.31 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:228 Resp: 4322

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	20.8	17.0	25.6





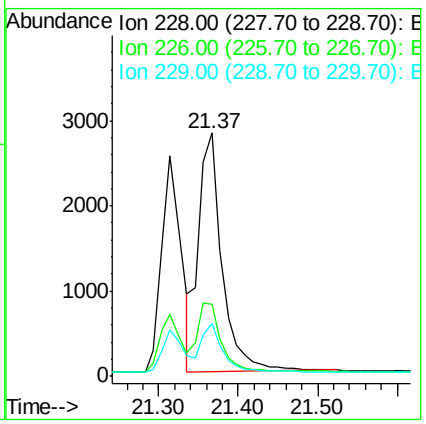
#19
Chrysene
Concen: 0.58 ng/ul
RT: 21.37 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

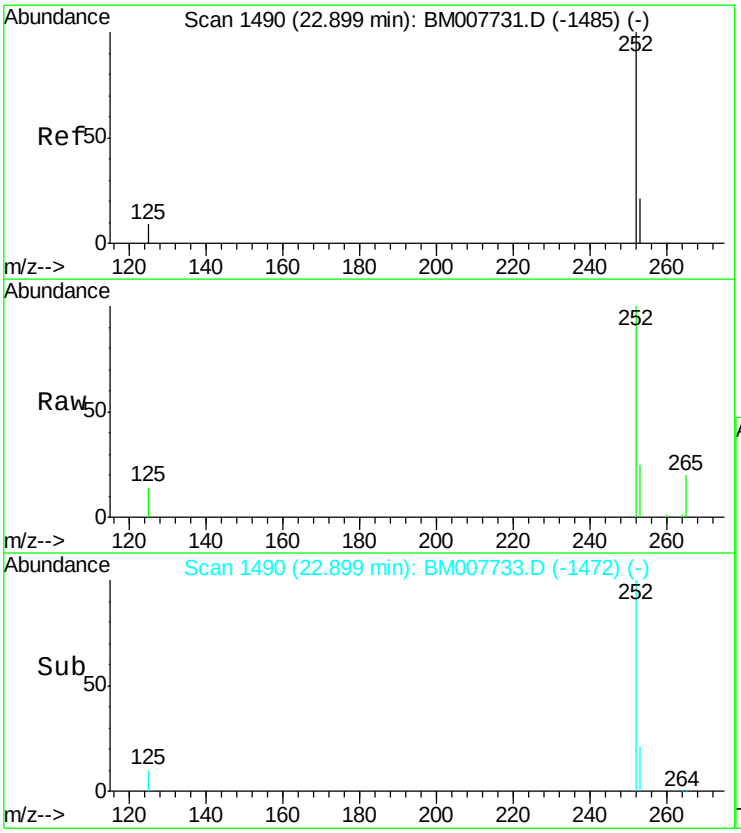
Tgt Ion:228 Resp: 5709

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.0
229	21.5	17.7	26.5

Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

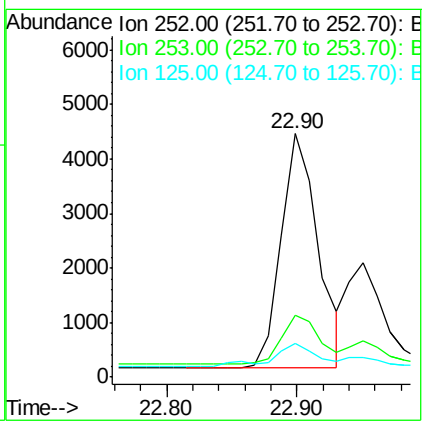


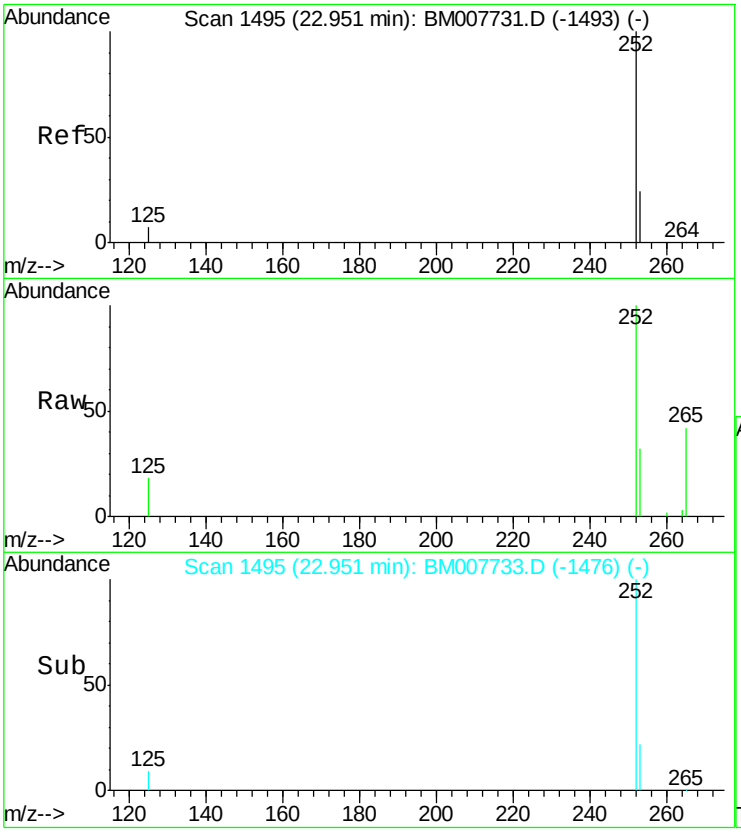


#21
Benzo(b)fluoranthene
Concen: 0.85 ng/ul
RT: 22.90 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:252 Resp: 8452

Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.0	64.2
125	13.8	0.0	35.0

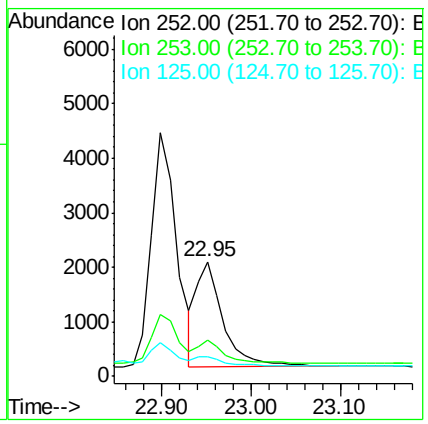




#22
Benzo(k)fluoranthene
Concen: 0.39 ng/ul
RT: 22.95 min Scan# 1495
Delta R.T. -0.00 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

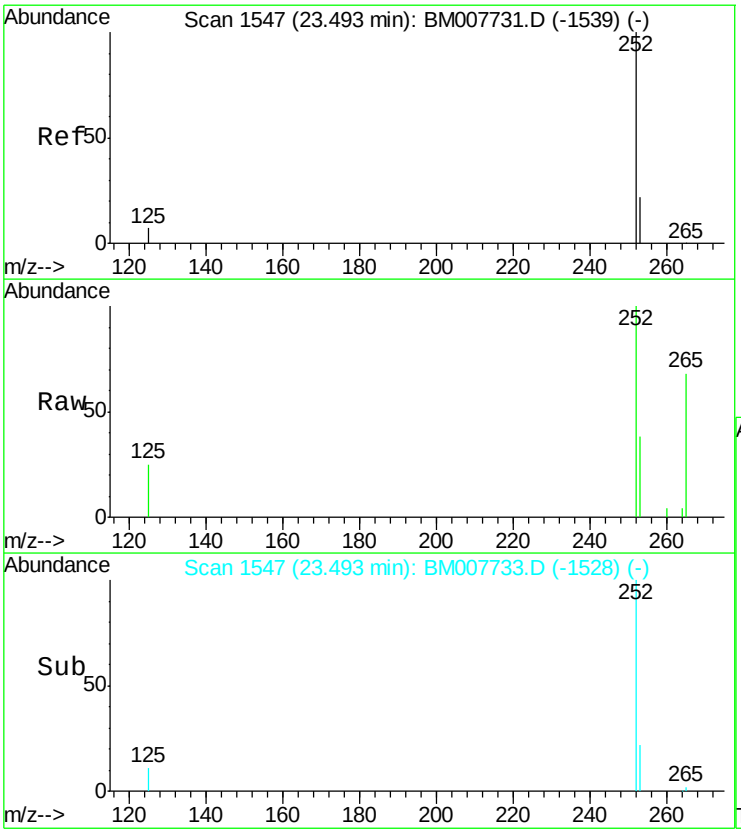
Tgt Ion:252 Resp: 3980

Ion	Ratio	Lower	Upper
252	100		
253	31.7	24.5	36.7
125	17.7	13.7	20.5



Instrument :
BNA_M
ClientSampleId :
X2679

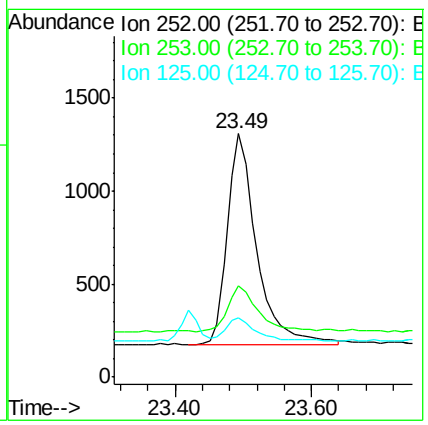
Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM

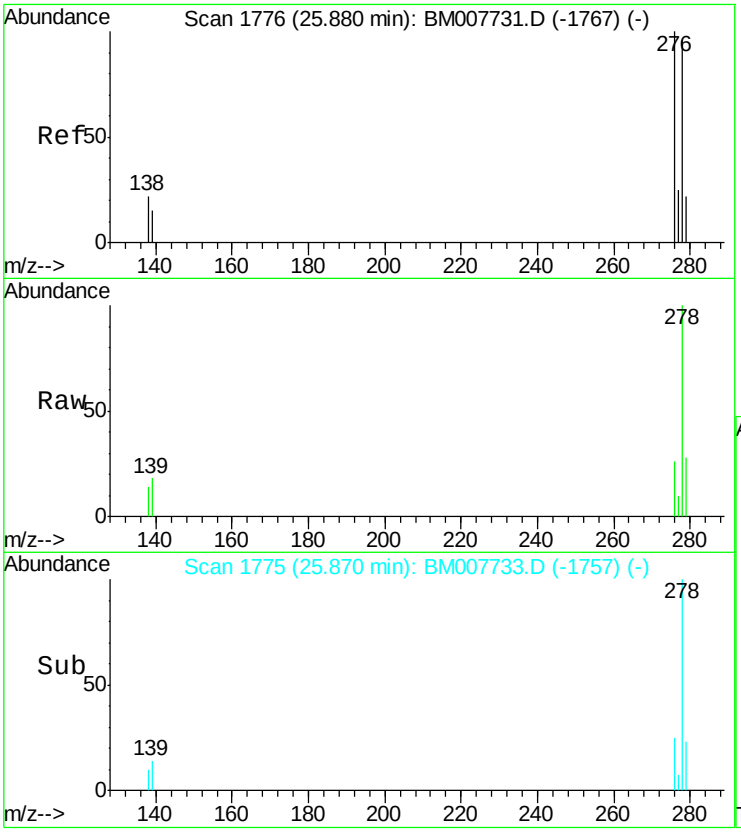


#23
Benzo(a)pyrene
Concen: 0.37 ng/ul
RT: 23.49 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:252 Resp: 3380

Ion	Ratio	Lower	Upper
252	100		
253	37.7	28.5	42.7
125	24.5	18.1	27.1

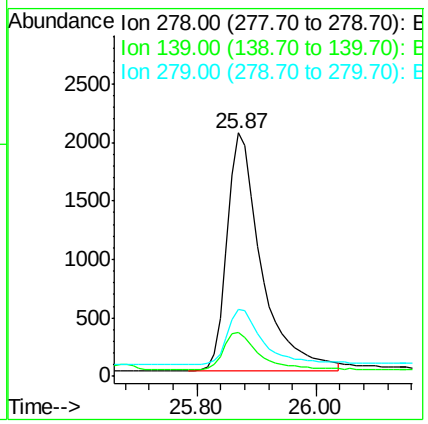




#25
Dibenzo(a,h)anthracene
Concen: 0.91 ng/ul
RT: 25.87 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

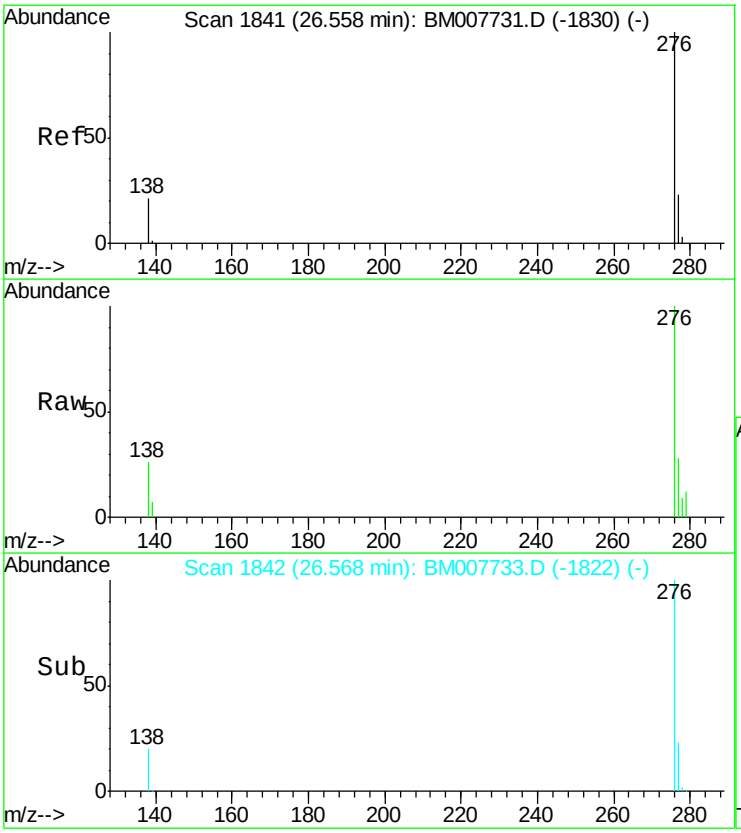
Tgt Ion:278 Resp: 8104

Ion	Ratio	Lower	Upper
278	100		
139	18.1	17.4	26.0
279	27.6	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
X2679

Manual Integrations APPROVED
SOHIL
10/25/2016 7:23:54 PM



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.57 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BM007733.D
Acq: 25 Oct 2016 11:34

Tgt Ion:276 Resp: 3865

Ion	Ratio	Lower	Upper
276	100		
277	28.4	21.8	32.8
138	25.6	20.5	30.7