Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006641.D
Acq On : 23 Jul 2016 01:32
Operator : UM/SJ
Sample : H4076-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9YP9

Manual Integrations APPROVED
sohil
7/25/2016 6:39:26 PM

Quant Time: Jul 23 03:25:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	197565	20.00	ng/ul	0.01
7) Naphthalene-d8	10.40	136	815458	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	440269	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	978600	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1059433	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1109724	20.00	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	10479	2.15	ng/uL	0.00
3) Phenol-d5	6.81	99	408181	24.28	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.96	67	252979	24.30	ng/ul	0.01
5) 2-Chlorophenol-d4	7.16	132	316964	23.60	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	316422	24.27	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	152580	24.72	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	162456	24.75	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	299214	24.12	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	287920	21.08	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	846051	24.51	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1112103	25.24	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	140870	23.50	ng/ul	0.02
21) Fluorene-d10	15.27	176	761171	24.65	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.42	200	58919	11.60	ng/ul	0.01
26) Anthracene-d10	17.12	188	1169737	25.17	ng/ul	0.00
30) Pyrene-d10	19.43	212	1290119	26.72	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1300663	25.48	ng/ul	0.02
Target Compounds						Qvalue
18) Acenaphthylene	13.99	152	49709	1.05	ng/ul	99
25) Phenanthrene	17.07	178	214564	3.90	ng/ul	98
27) Anthracene	17.16	178	73262	1.29	ng/ul	95
28) Fluoranthene	19.09	202	744688	11.52	ng/ul	99
31) Pyrene	19.46	202	664970	10.37	ng/ul	96
32) Benzo(a)anthracene	21.21	228	413959	6.45	ng/ul	97
33) Chrysene	21.26	228	420274	7.10	ng/ul	96
35) Benzo(b)fluoranthene	22.78	252	628557	9.45	ng/ul	98
36) Benzo(k)fluoranthene	22.81	252	205854m	3.20	ng/ul	
38) Benzo(a)pyrene	23.34	252	434527	6.71	ng/ul#	96
39) Indeno(1,2,3-cd)pyrene	25.65	276	356458	4.75	ng/ul	98
40) Dibenzo(a,h)anthracene	25.64	278	113739	1.83	ng/ul#	84
41) Benzo(g,h,i)perylene	26.33	276	396162	6.16	ng/ul	97

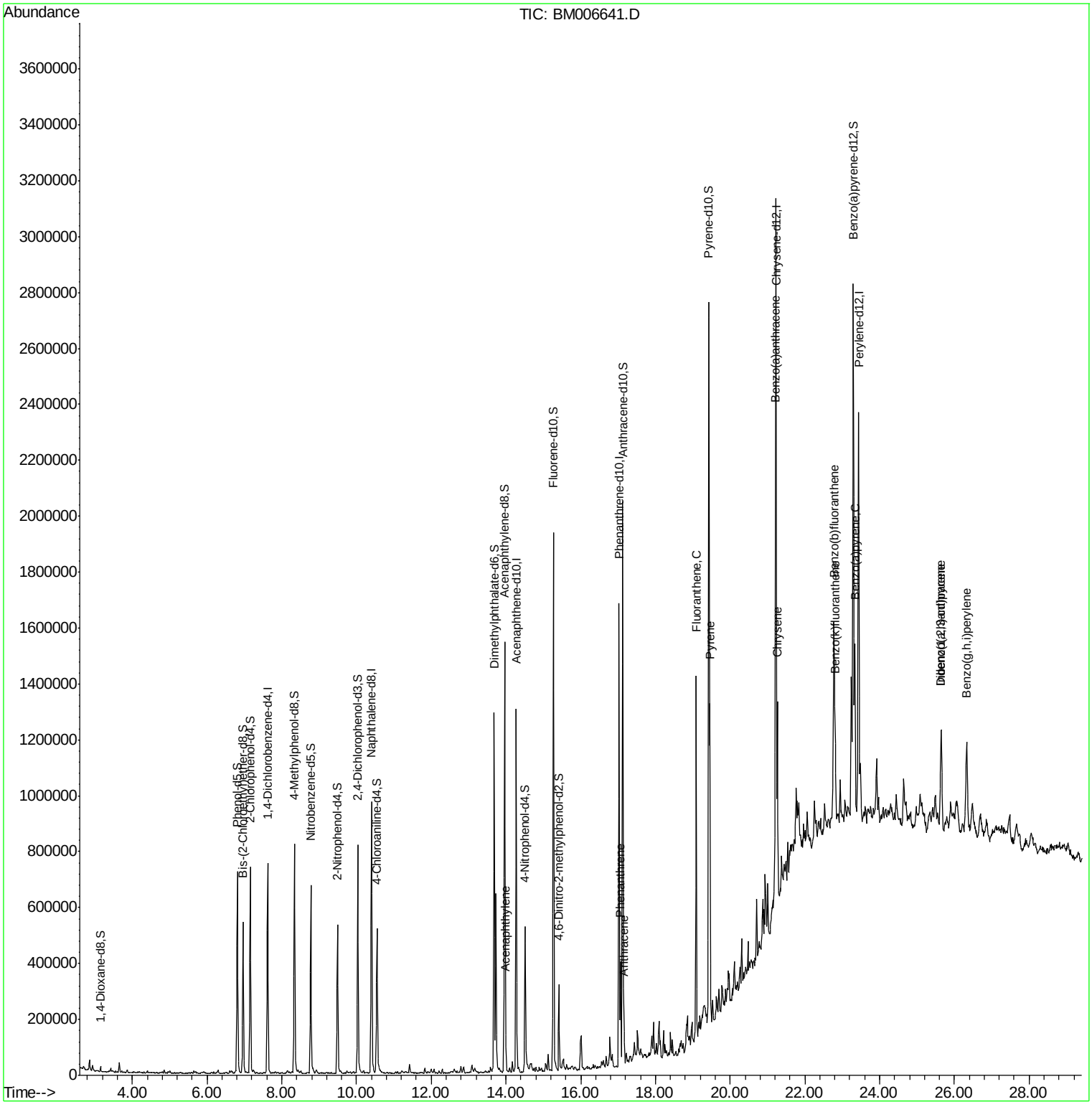
(#) = qualifier out of range (m) = manual integration (+) = signals summed

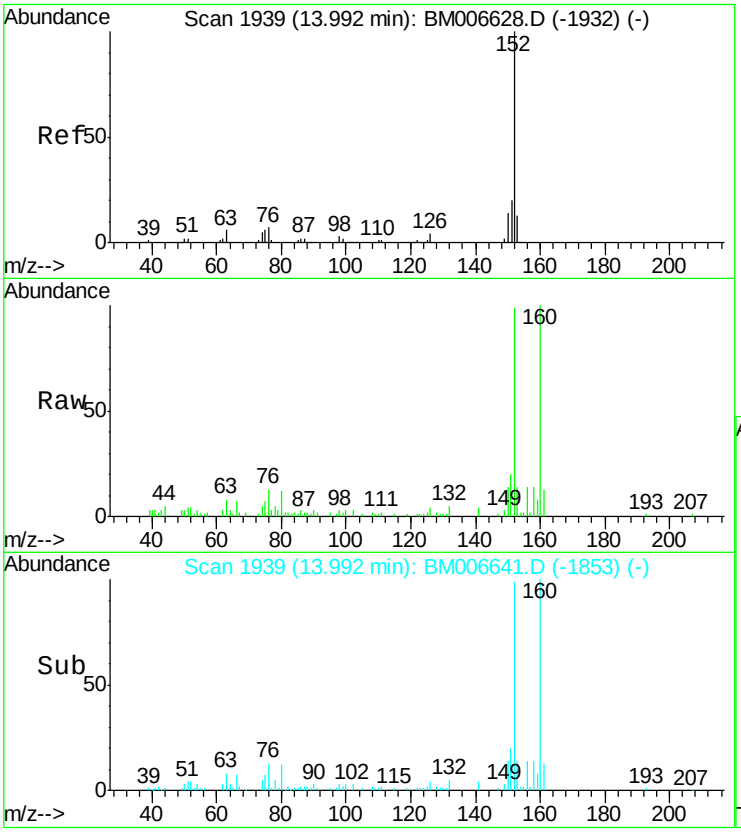
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006641.D
Acq On : 23 Jul 2016 01:32
Operator : UM/SJ
Sample : H4076-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 23 03:25:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9YP9

Manual Integrations APPROVED
sohil
7/25/2016 6:39:26 PM

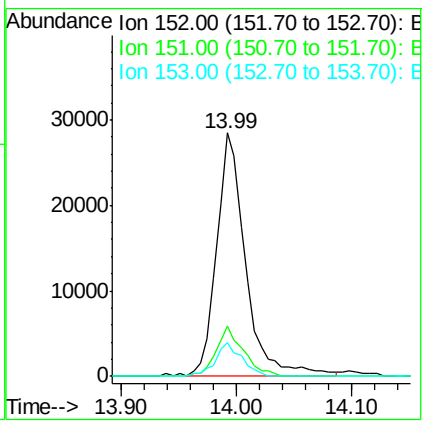




#18
Acenaphthylene
Concen: 1.05 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

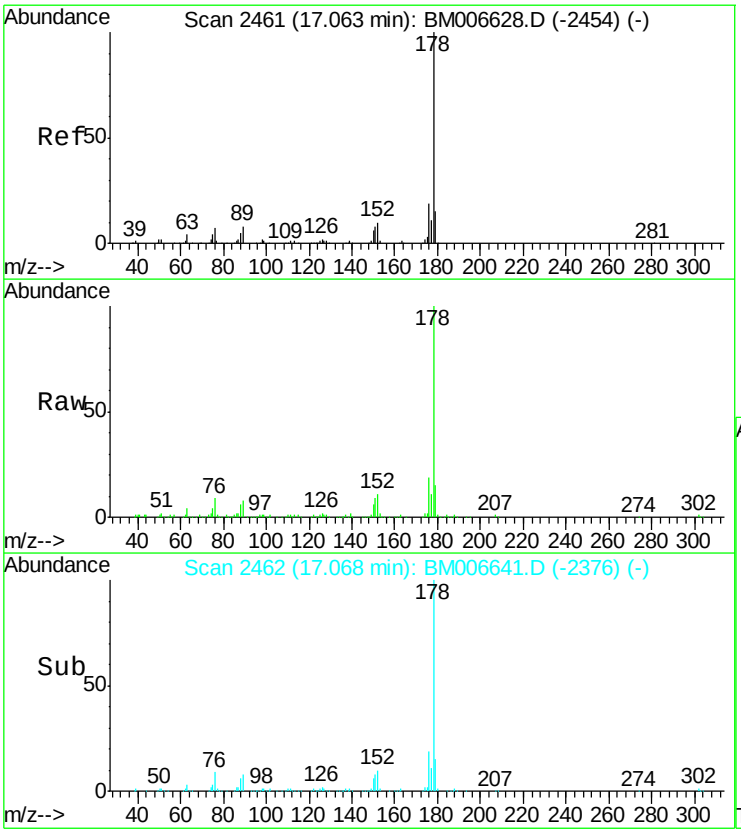
Tgt Ion:152 Resp: 49709

Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.3	25.9
153	13.9	11.1	16.7



Instrument :
BNA_M
ClientSampleId :
D9YP9

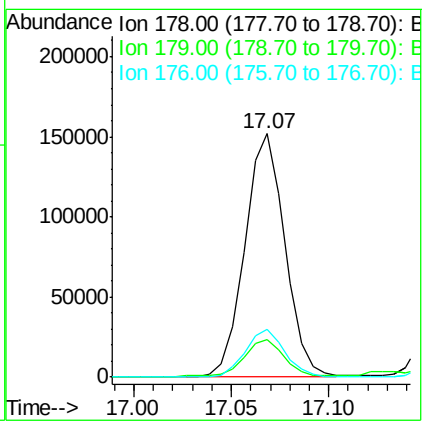
Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM

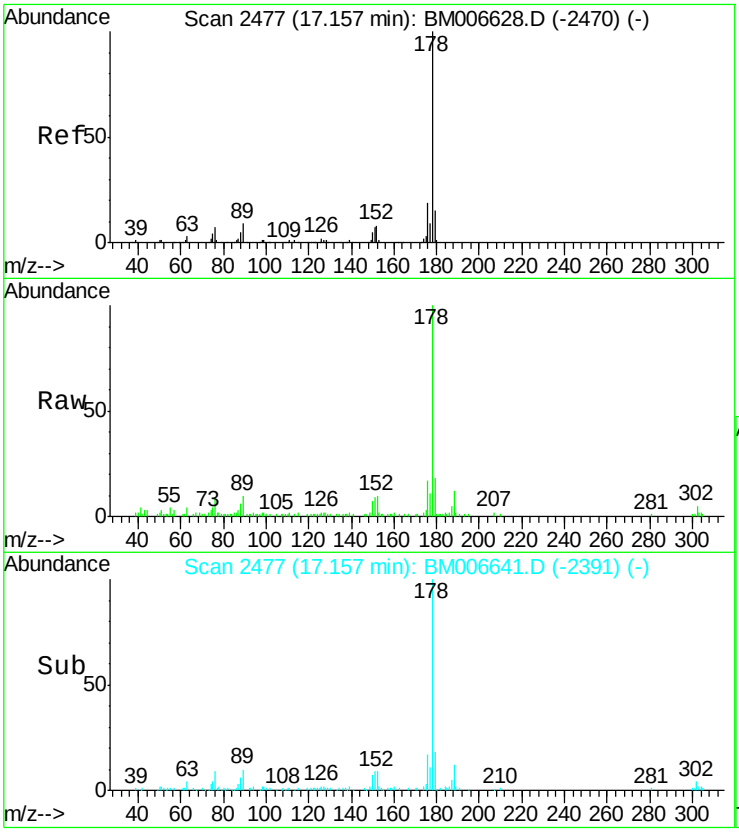


#25
Phenanthrene
Concen: 3.90 ng/ul
RT: 17.07 min Scan# 2462
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:178 Resp: 214564

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	19.4	14.8	22.2

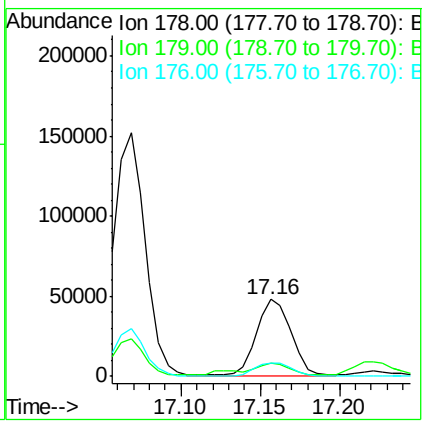




#27
Anthracene
Concen: 1.29 ng/ul
RT: 17.16 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

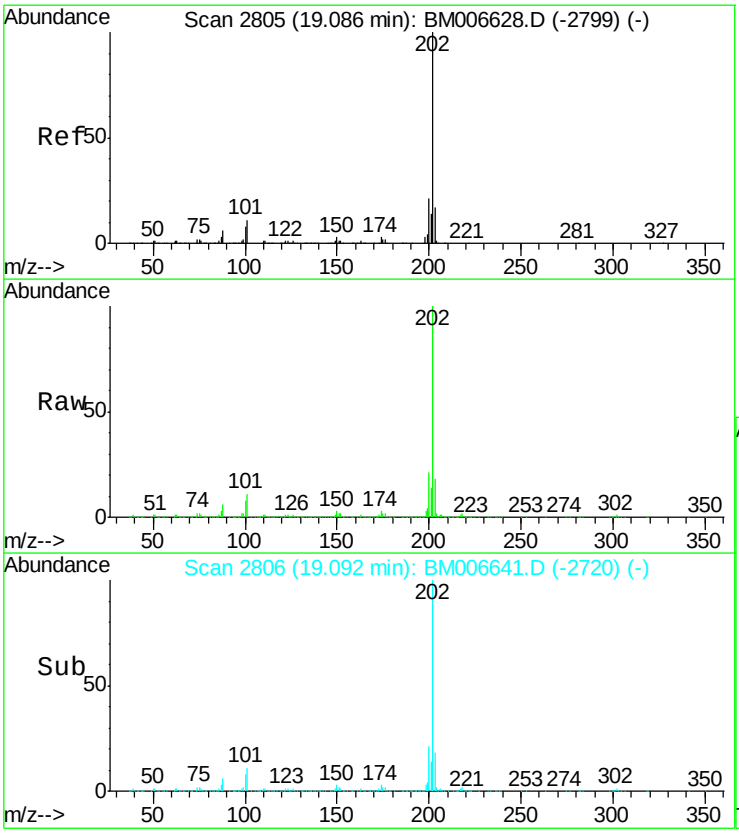
Tgt Ion:178 Resp: 73262

Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.9	19.3
176	17.2	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
D9YP9

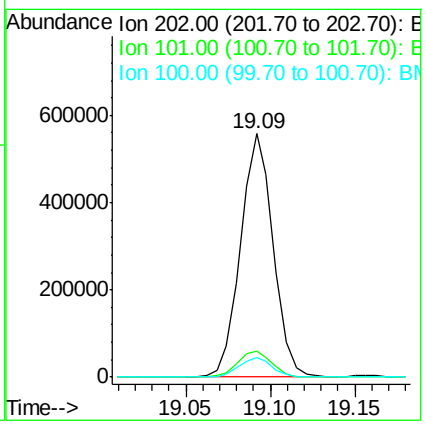
Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM

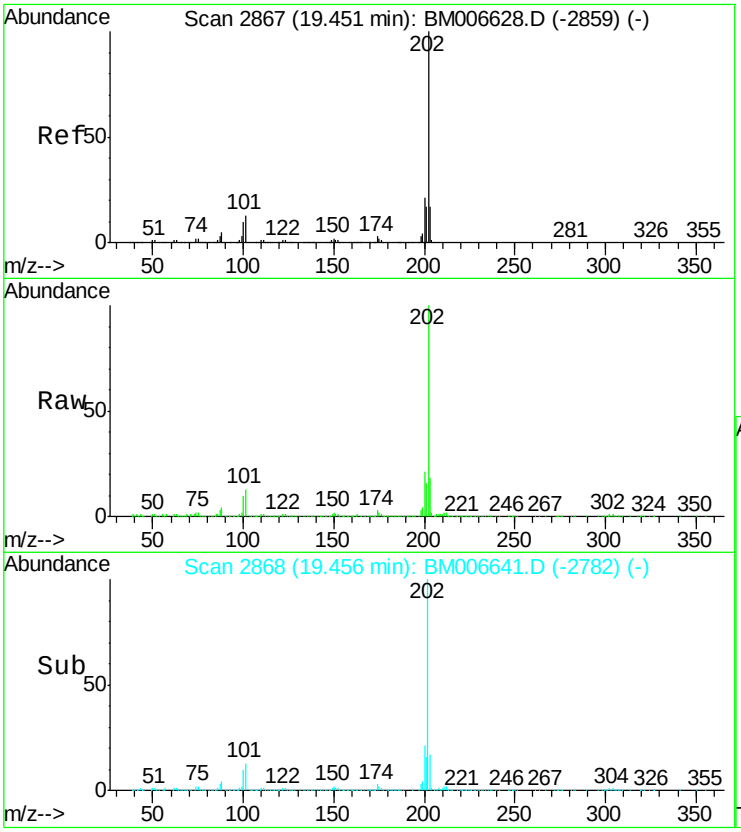


#28
Fluoranthene
Concen: 11.52 ng/ul
RT: 19.09 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:202 Resp: 744688

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.9	13.3
100	8.0	7.0	10.4





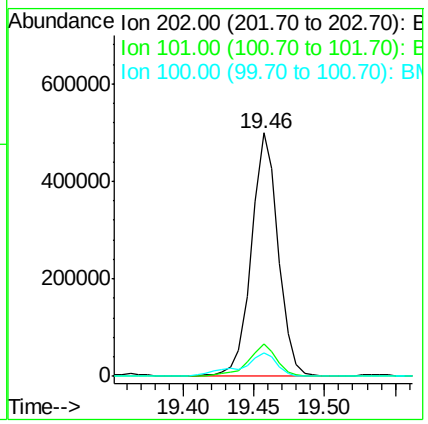
#31
Pyrene
Concen: 10.37 ng/ul
RT: 19.46 min Scan# 2868
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

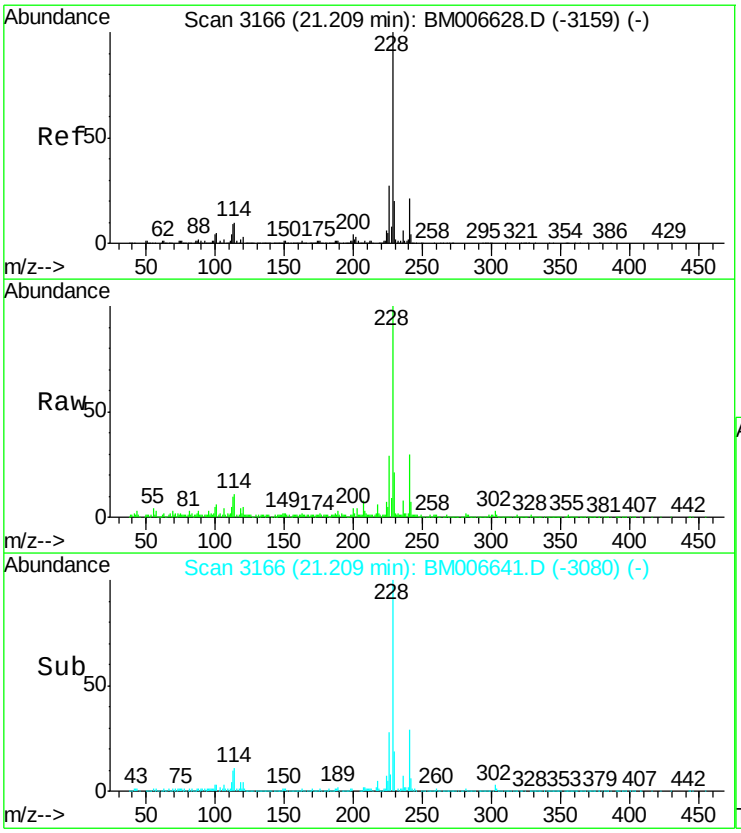
Tgt Ion:202 Resp: 664970

Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.8	14.8
100	9.7	9.3	13.9

Instrument :
BNA_M
ClientSampleId :
D9YP9

Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM

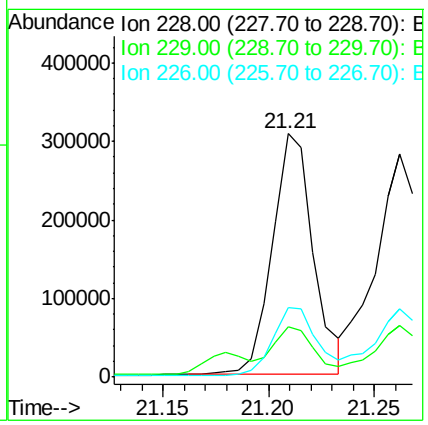


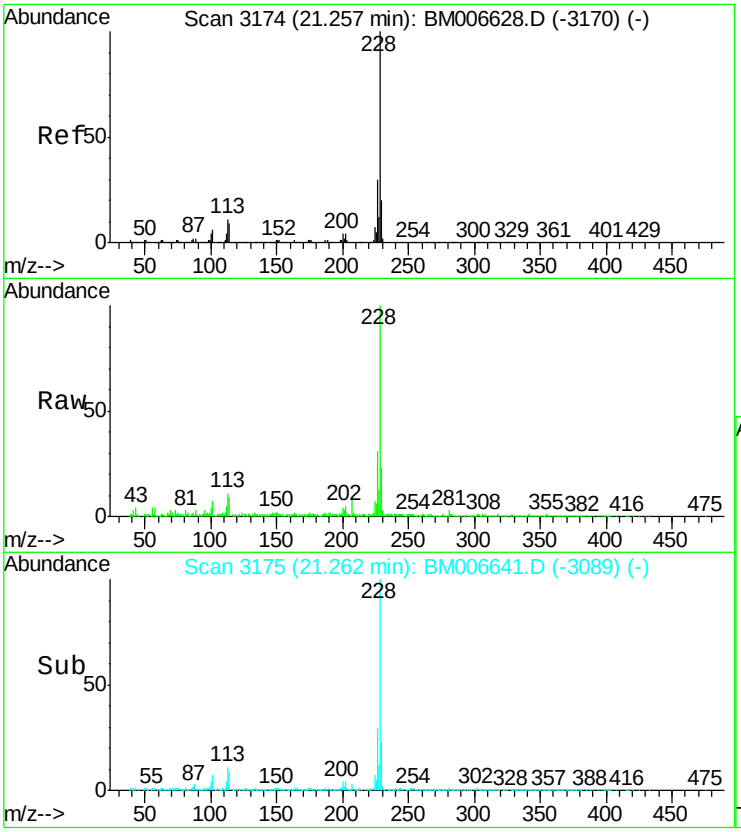


#32
Benzo(a)anthracene
Concen: 6.45 ng/ul
RT: 21.21 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:228 Resp: 413959

Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.6	25.0
226	28.6	21.0	31.4

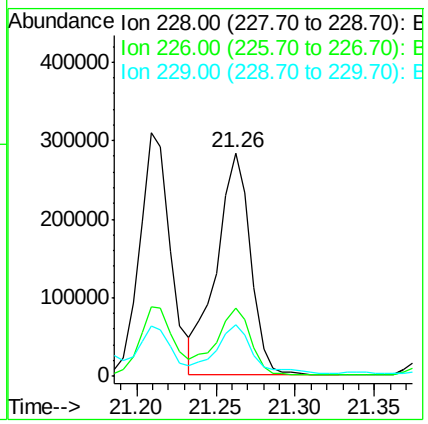




#33
Chrysene
Concen: 7.10 ng/ul
RT: 21.26 min Scan# 3175
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

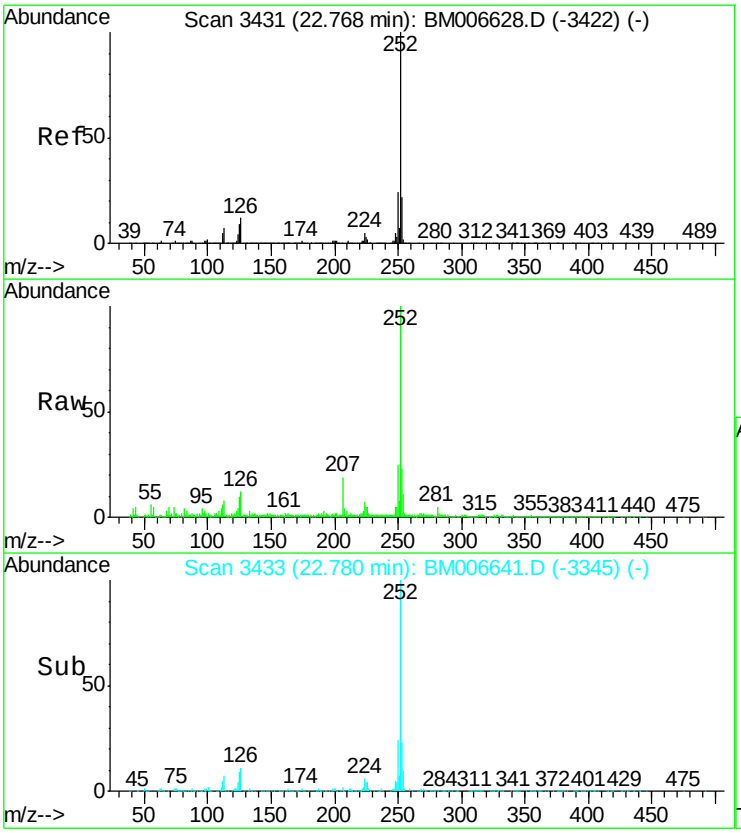
Tgt Ion:228 Resp: 420274

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.1	16.2	24.2



Instrument :
BNA_M
ClientSampleId :
D9YP9

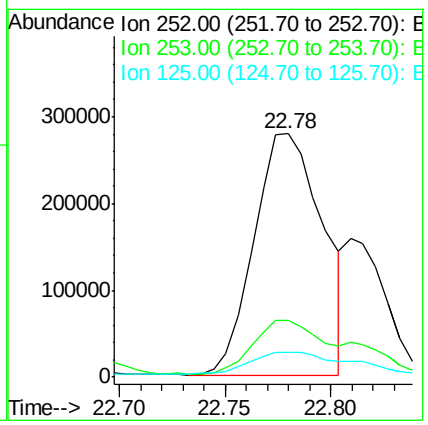
Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM

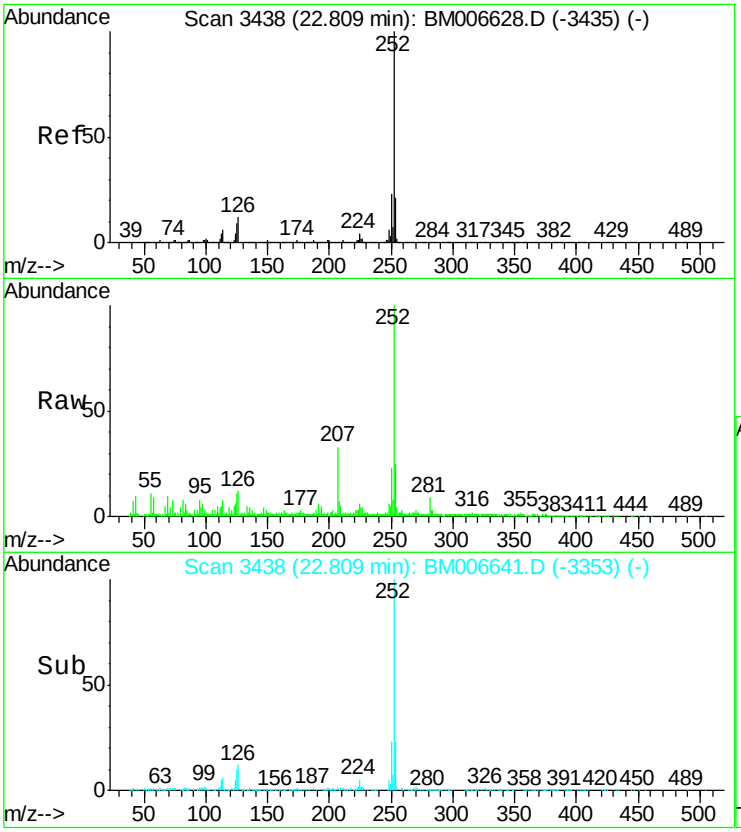


#35
Benzo(b)fluoranthene
Concen: 9.45 ng/ul
RT: 22.78 min Scan# 3433
Delta R.T. 0.02 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:252 Resp: 628557

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	10.3	7.6	11.4

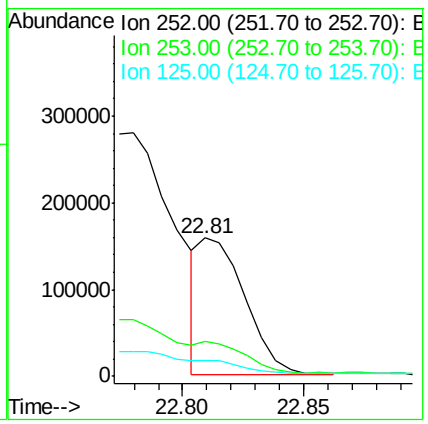




#36
Benzo(k)fluoranthene
Concen: 3.20 ng/ul m
RT: 22.81 min Scan# 3438
Delta R.T. 0.00 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

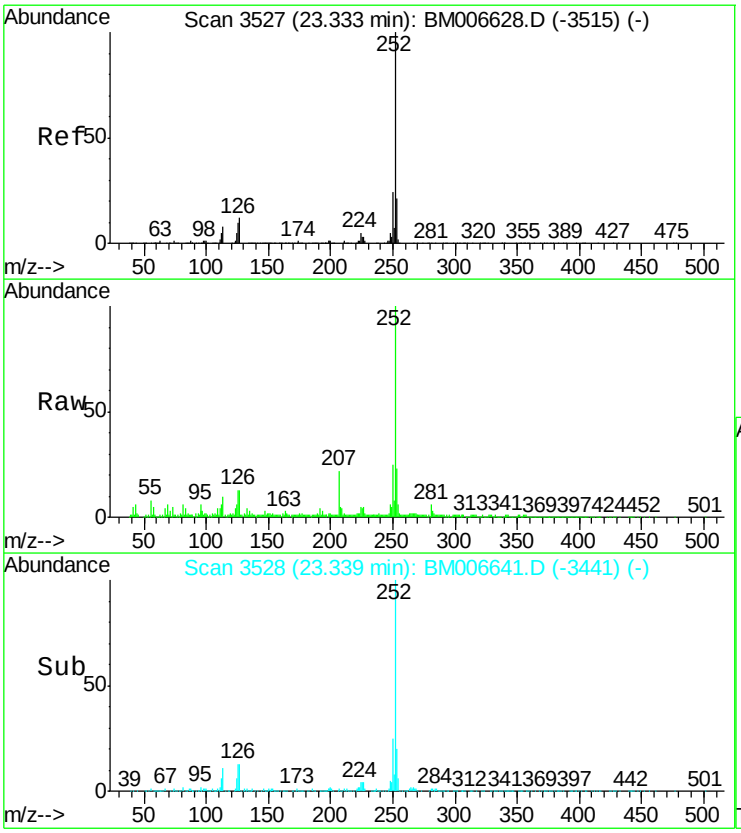
Tgt Ion:252 Resp: 205854

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	11.4	7.7	11.5



Instrument :
BNA_M
ClientSampleId :
D9YP9

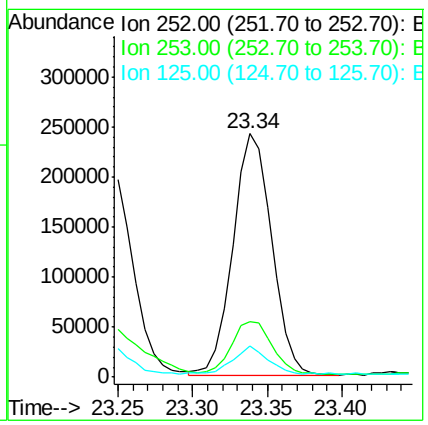
Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM

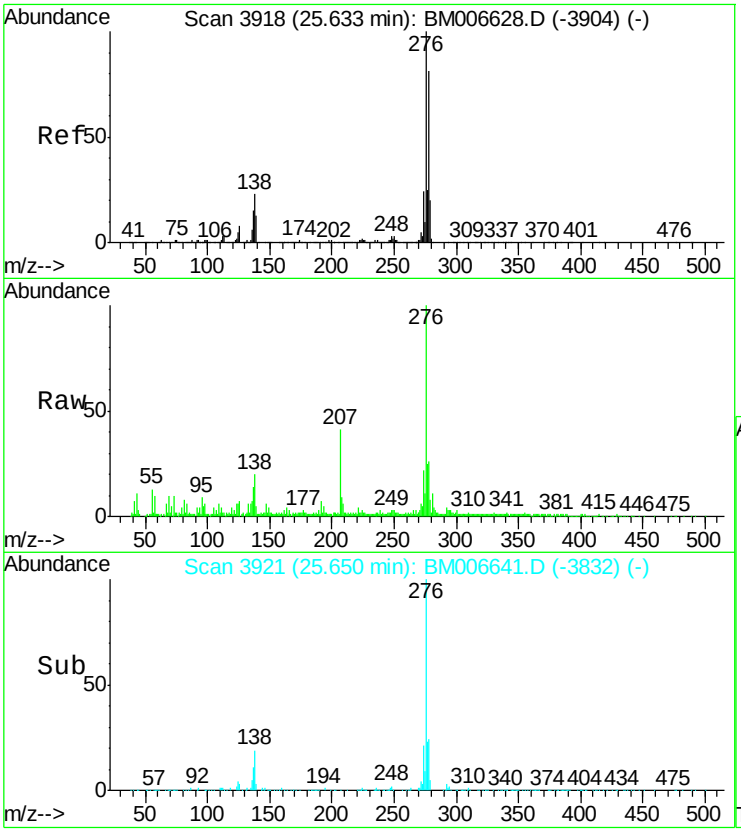


#38
Benzo(a)pyrene
Concen: 6.71 ng/ul
RT: 23.34 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:252 Resp: 434527

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.6	8.2	12.2#

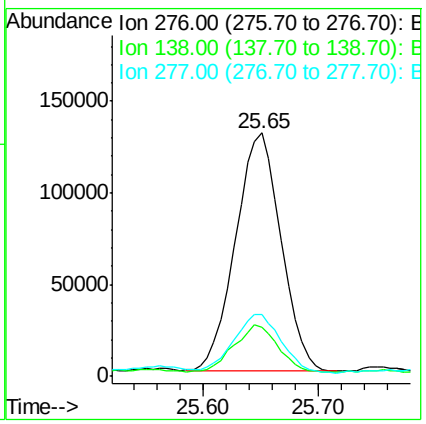




#39
Indeno(1,2,3-cd)pyrene
Concen: 4.75 ng/ul
RT: 25.65 min Scan# 3921
Delta R.T. 0.02 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

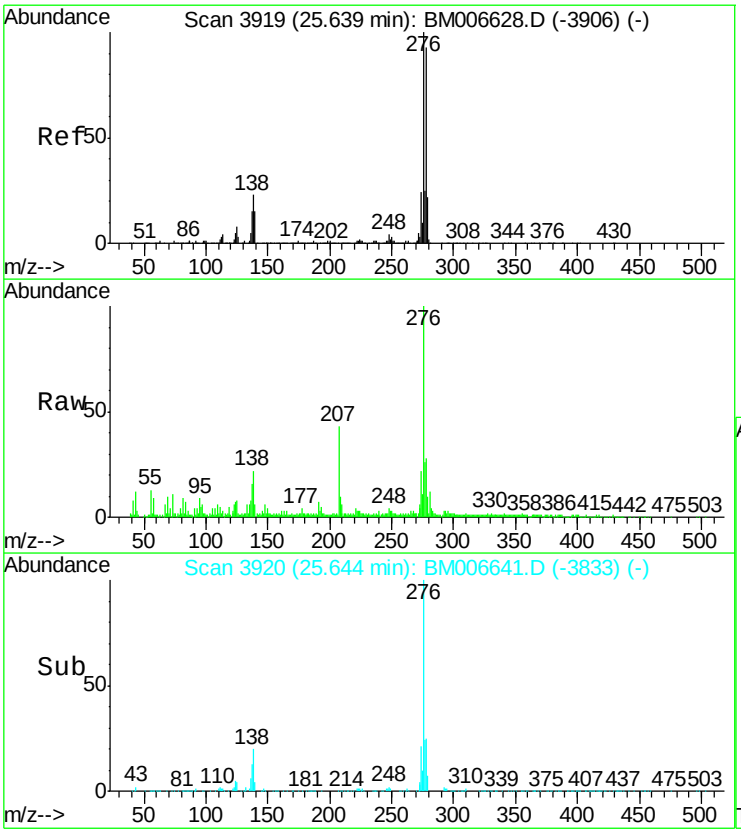
Tgt Ion:276 Resp: 356458

Ion	Ratio	Lower	Upper
276	100		
138	20.3	15.8	23.6
277	25.3	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
D9YP9

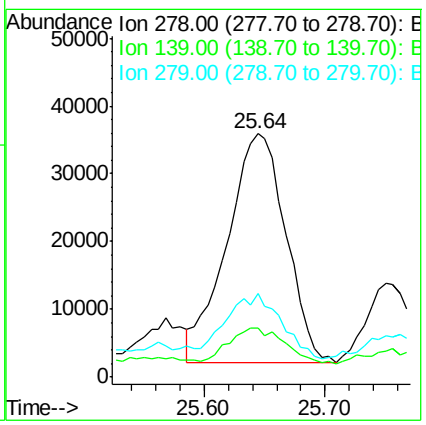
Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM

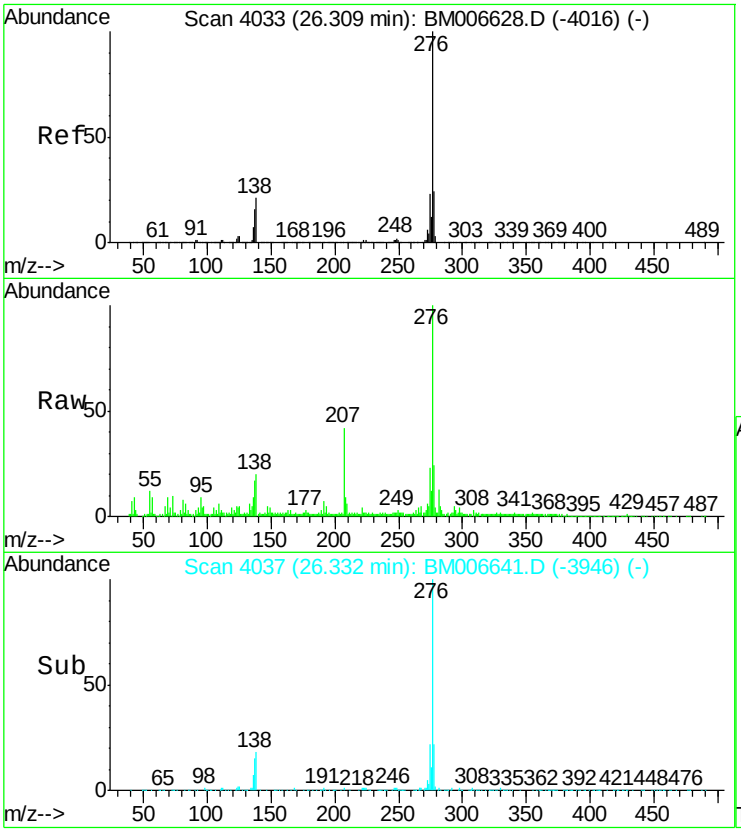


#40
Dibenzo(a,h)anthracene
Concen: 1.83 ng/ul
RT: 25.64 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:278 Resp: 113739

Ion	Ratio	Lower	Upper
278	100		
139	20.3	12.1	18.1#
279	34.1	19.8	29.8#

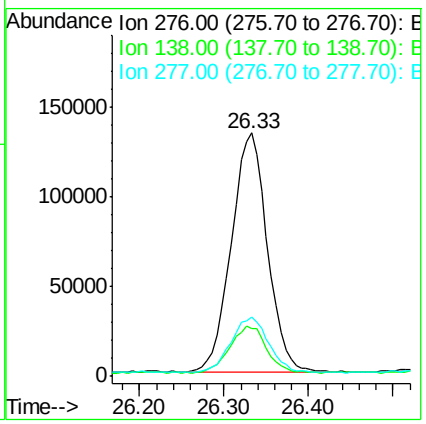




#41
Benzo(g,h,i)perylene
Concen: 6.16 ng/ul
RT: 26.33 min Scan# 4037
Delta R.T. 0.04 min
Lab File: BM006641.D
Acq: 23 Jul 2016 01:32

Tgt Ion:276 Resp: 396162

Ion	Ratio	Lower	Upper
276	100		
138	19.7	13.9	20.9
277	24.1	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
D9YP9

Manual Integrations
APPROVED
sohil
7/25/2016 6:39:26 PM