Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002466.D
Acq On : 18 Aug 2015 00:14
Operator : UM/IZ
Sample : G3227-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9DD5

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM

Quant Time: Aug 18 03:56:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 03:02:54 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	133802	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	618225	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	327180	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	619534	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	414533	20.00	ng/ul	0.00
22) Perylene-d12	24.92	264	396548	20.00	ng/ul	-0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	681670	20.38	ng/ul	0.00
10) Fluorene-d10	16.43	176	454053	19.33	ng/ul	0.00
14) Anthracene-d10	18.26	188	611896	20.48	ng/ul	0.00
18) Pyrene-d10	20.48	212	486812	26.49	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.75	264	383406	18.41	ng/ul	0.00
Target Compounds						Qvalue
13) Phenanthrene	18.21	178	76924	2.15	ng/ul	99
16) Fluoranthene	20.15	202	140319	3.46	ng/ul	97
19) Pyrene	20.51	202	132744	5.47	ng/ul	99
20) Benzo(a)anthracene	22.23	228	68839	2.78	ng/ul#	93
21) Chrysene	22.29	228	85827	3.70	ng/ul#	90
23) Benzo(b)fluoranthene	24.10	252	115779	4.83	ng/ul#	93
24) Benzo(k)fluoranthene	24.14	252	30976m	1.36	ng/ul	
26) Benzo(a)pyrene	24.80	252	75253	3.29	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	27.76	276	57523	2.18	ng/ul	96
29) Benzo(g,h,i)perylene	28.65	276	88849	4.05	ng/ul#	92

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

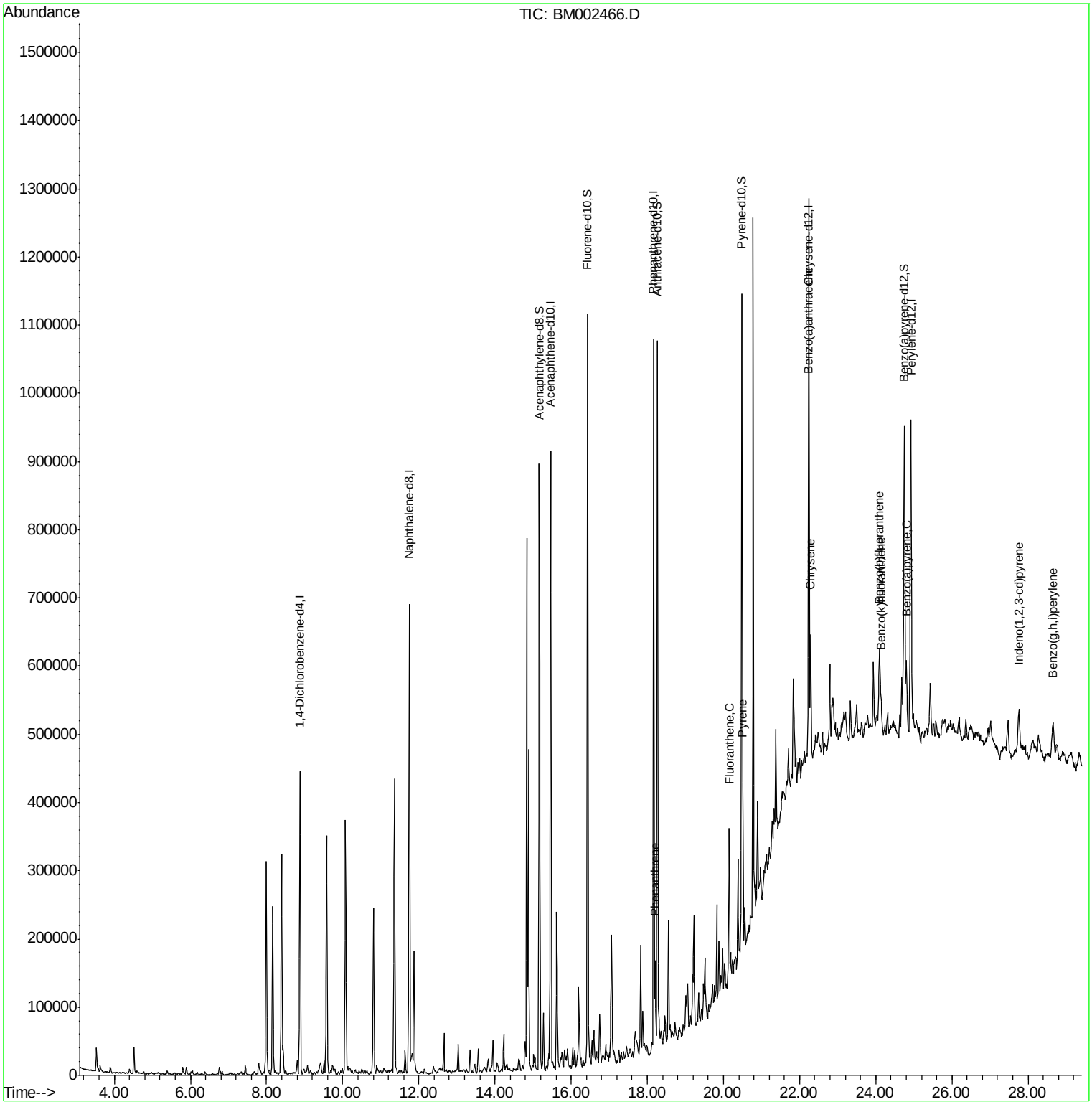
Quantitation Report (QT Reviewed)

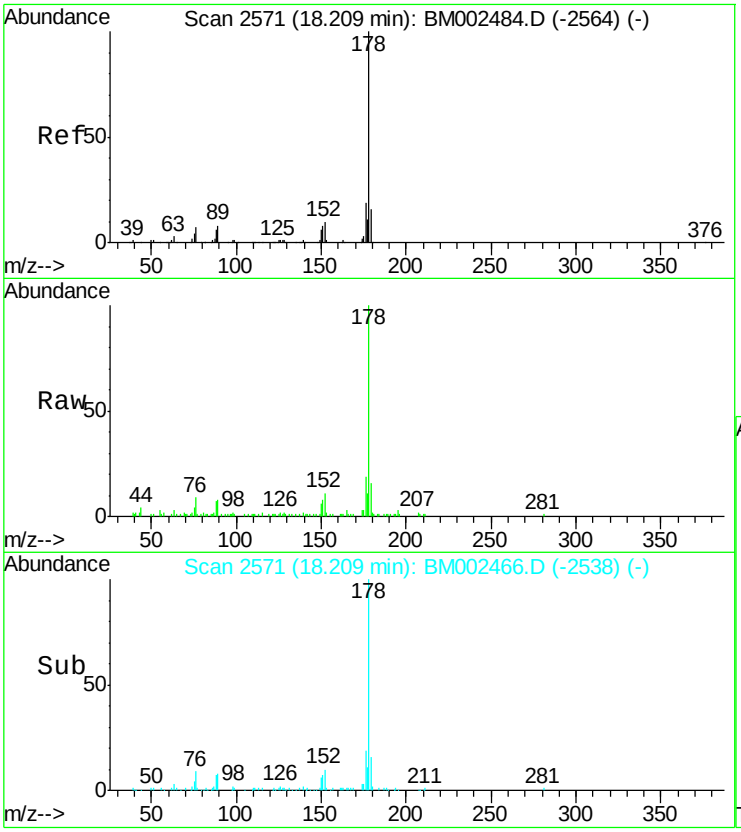
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002466.D
Acq On : 18 Aug 2015 00:14
Operator : UM/IZ
Sample : G3227-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 18 03:56:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 03:02:54 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9DD5

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM

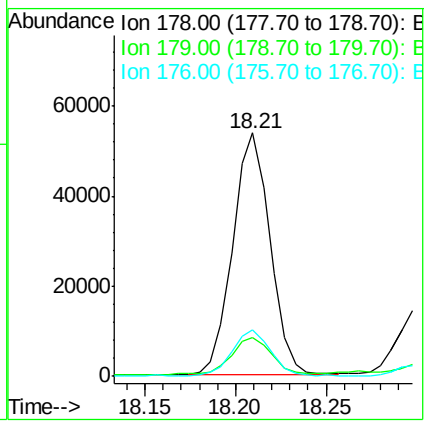




#13
Phenanthrene
Concen: 2.15 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

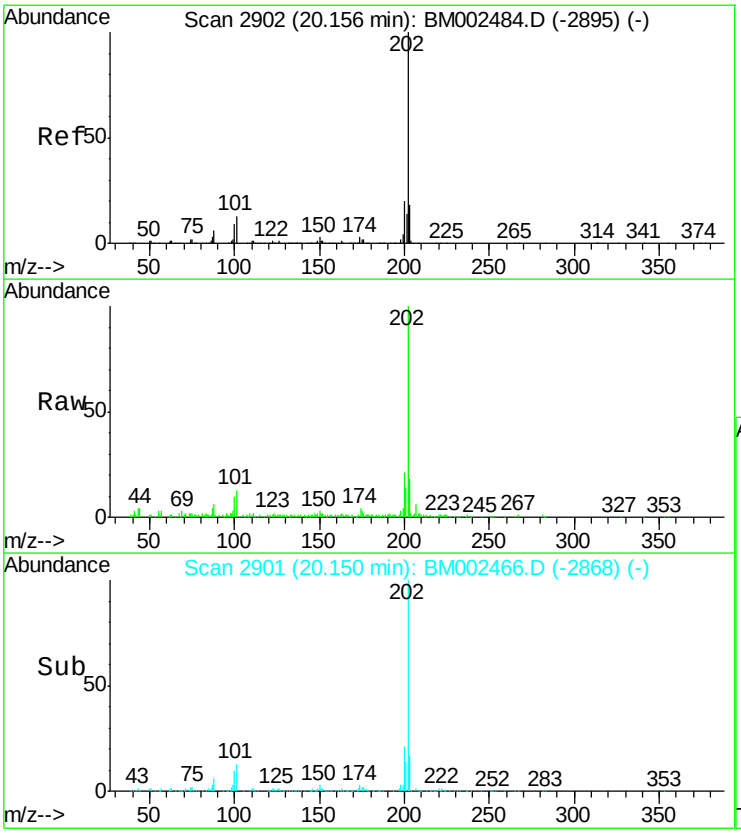
Tgt Ion:178 Resp: 76924

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.4	18.6
176	19.1	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9DD5

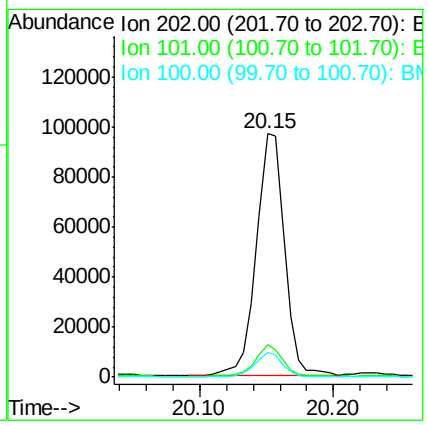
Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM

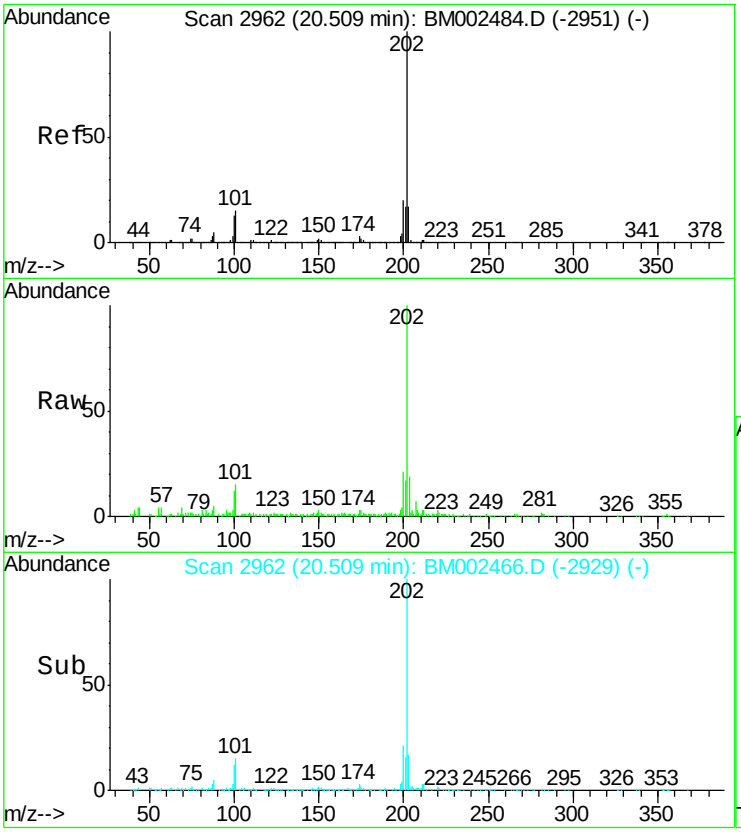


#16
Fluoranthene
Concen: 3.46 ng/ul
RT: 20.15 min Scan# 2901
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

Tgt Ion:202 Resp: 140319

Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.7	14.5
100	10.0	7.4	11.2





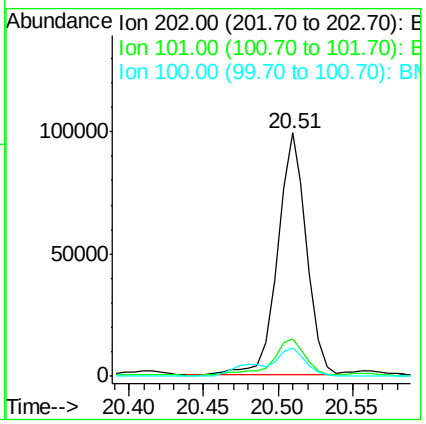
#19
Pyrene
Concen: 5.47 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

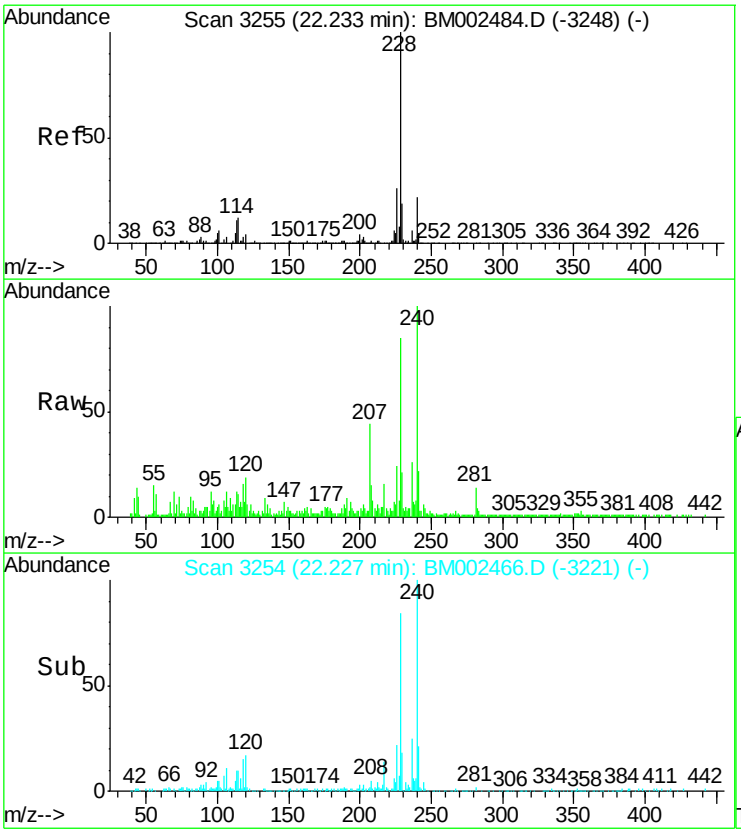
Tgt Ion:202 Resp: 132744

Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.0	18.0
100	11.8	9.7	14.5

Instrument :
BNA_M
ClientSampleId :
D9DD5

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM

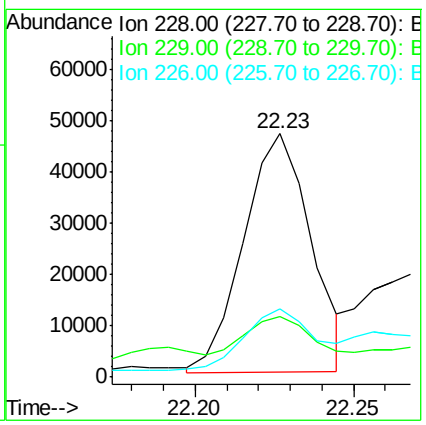


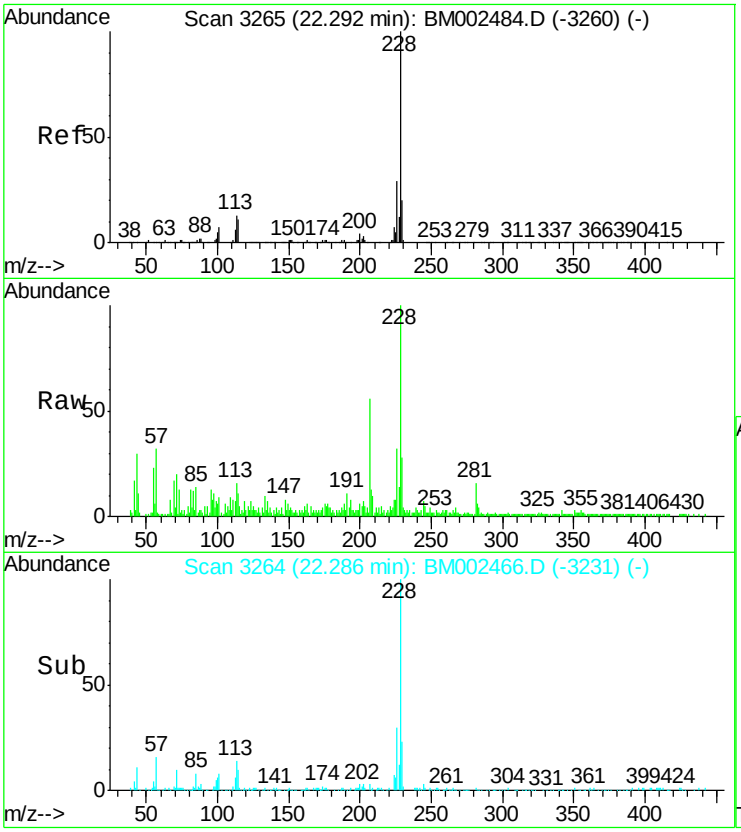


#20
Benzo(a)anthracene
Concen: 2.78 ng/ul
RT: 22.23 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

Tgt Ion:228 Resp: 68839

Ion	Ratio	Lower	Upper
228	100		
229	25.1	15.8	23.6#
226	28.2	21.1	31.7





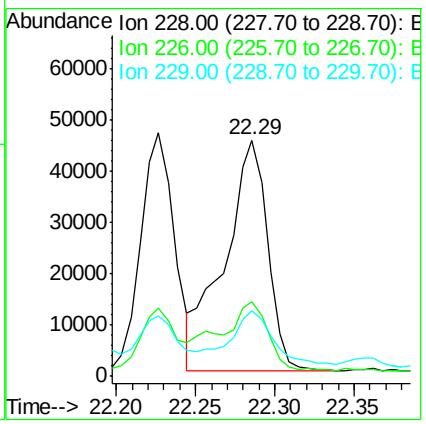
#21
Chrysene
Concen: 3.70 ng/ul
RT: 22.29 min Scan# 3264
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

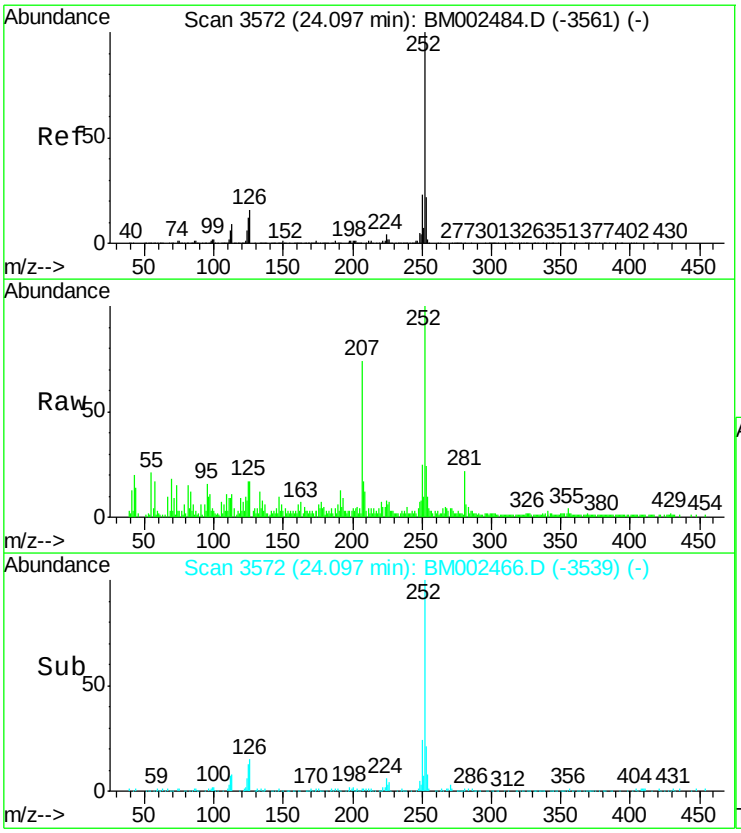
Tgt Ion:228 Resp: 85827

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	27.9	15.7	23.5#

Instrument :
BNA_M
ClientSampleId :
D9DD5

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM

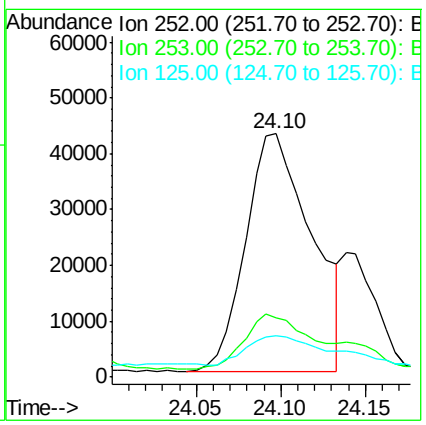


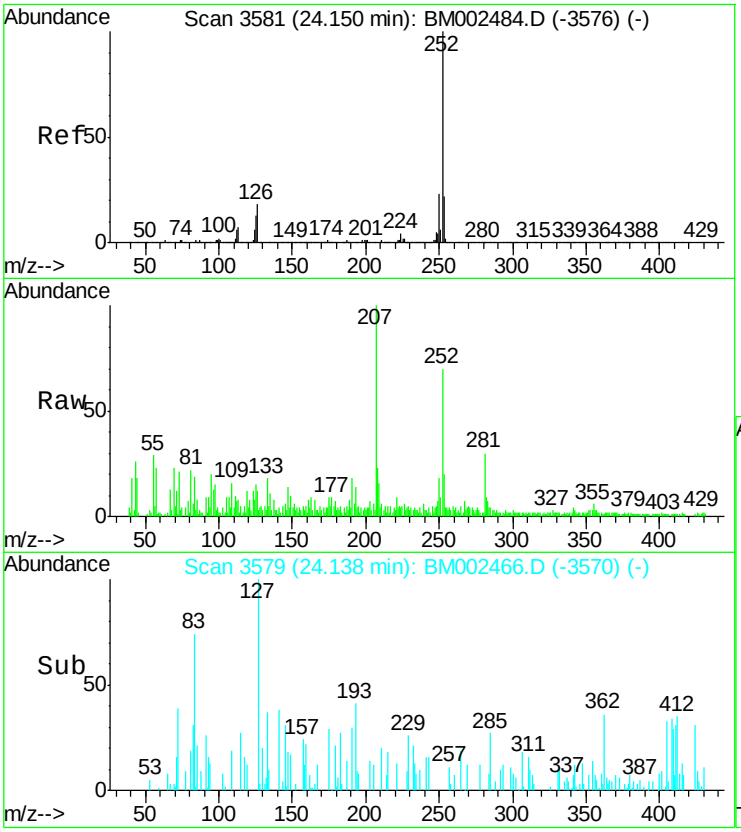


#23
Benzo(b)fluoranthene
Concen: 4.83 ng/ul
RT: 24.10 min Scan# 3572
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

Tgt Ion:252 Resp: 115779

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	17.0	10.0	15.0#

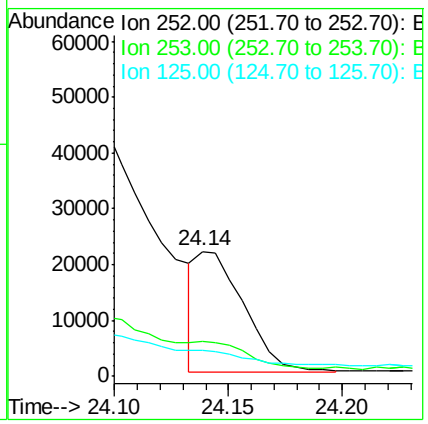




#24
Benzo(k)fluoranthene
Concen: 1.36 ng/ul m
RT: 24.14 min Scan# 3579
Delta R.T. -0.02 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

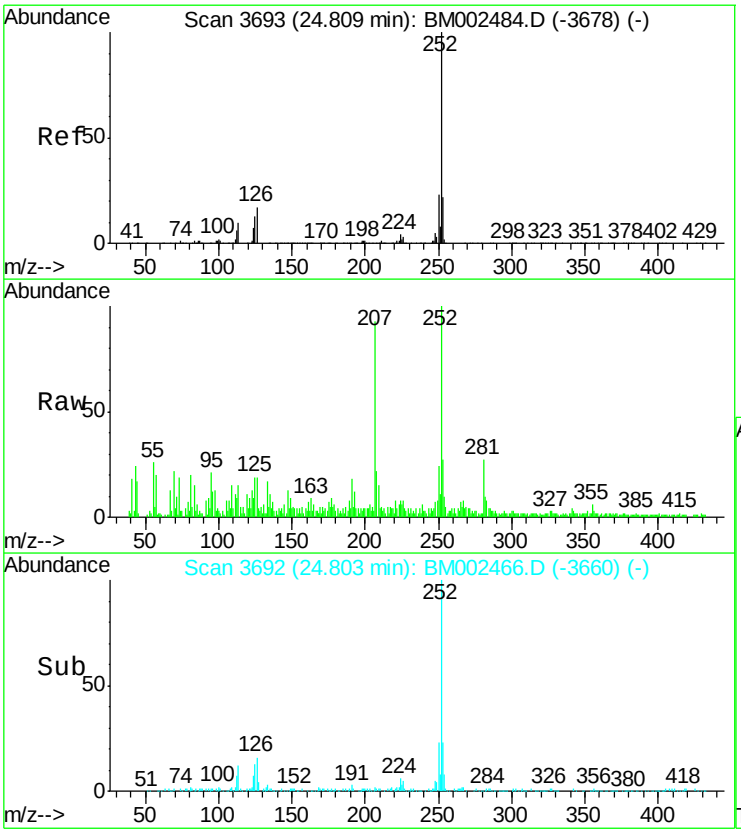
Tgt Ion:252 Resp: 30976

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.8	26.6#
125	21.3	9.8	14.8#



Instrument :
BNA_M
ClientSampleId :
D9DD5

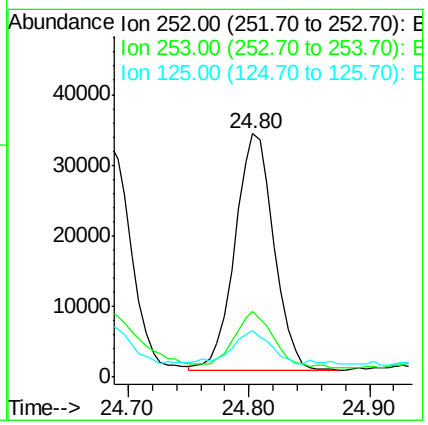
Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM

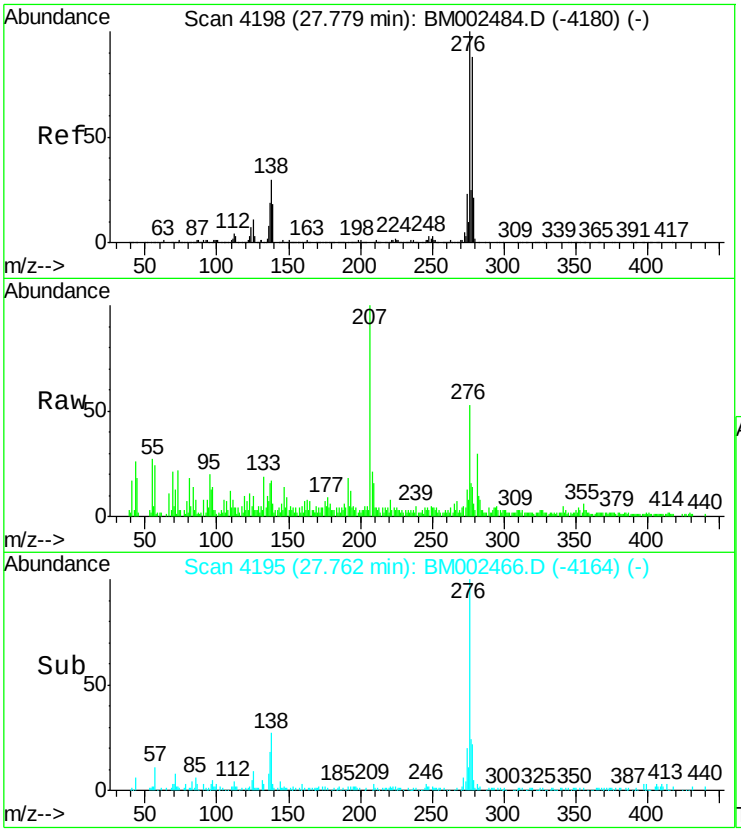


#26
Benzo(a)pyrene
Concen: 3.29 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

Tgt Ion:252 Resp: 75253

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.6	26.4#
125	18.9	10.7	16.1#

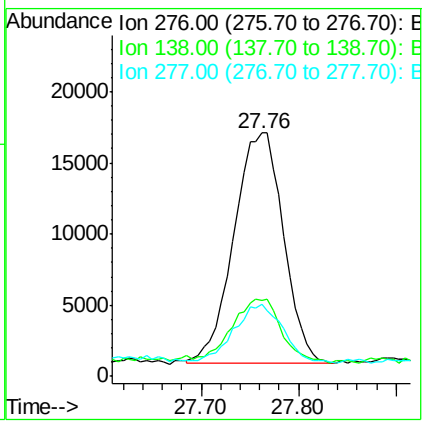




#27
Indeno(1,2,3-cd)pyrene
Concen: 2.18 ng/ul
RT: 27.76 min Scan# 4195
Delta R.T. -0.02 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

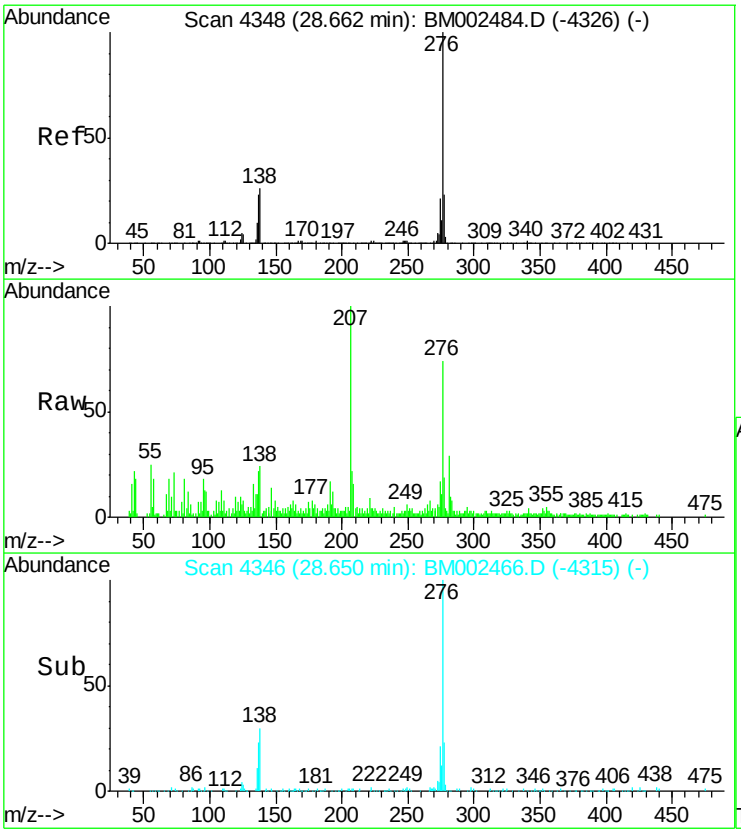
Tgt Ion:276 Resp: 57523

Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.3	37.9
277	29.4	20.2	30.2



Instrument :
BNA_M
ClientSampleId :
D9DD5

Manual Integrations APPROVED
MMDadoda
8/18/2015 5:18:55 PM



#29
Benzo(g,h,i)perylene
Concen: 4.05 ng/ul
RT: 28.65 min Scan# 4346
Delta R.T. -0.02 min
Lab File: BM002466.D
Acq: 18 Aug 2015 00:14

Tgt Ion:276 Resp: 88849

Ion	Ratio	Lower	Upper
276	100		
138	32.3	21.0	31.6#
277	26.3	19.2	28.8