Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002605.D
Acq On : 01 Sep 2015 00:53
Operator : UM/IZ
Sample : G3457-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9EB8

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:57:52 PM

Quant Time: Sep 01 02:17:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 02:00:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	147417	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	660937	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	330014	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	616268	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	442017	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	434635	20.00	ng/ul	-0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	465032	13.78	ng/ul	0.00
10) Fluorene-d10	16.34	176	291081	12.28	ng/ul	0.00
14) Anthracene-d10	18.17	188	387085	13.02	ng/ul	0.00
18) Pyrene-d10	20.40	212	275279	14.05	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	203237	8.90	ng/ul	-0.01
Target Compounds						Qvalue
13) Phenanthrene	18.12	178	68895	1.94	ng/ul	100
16) Fluoranthene	20.07	202	95323	2.37	ng/ul	96
19) Pyrene	20.43	202	74143	2.86	ng/ul	100
20) Benzo(a)anthracene	22.14	228	32121	1.22	ng/ul	97
21) Chrysene	22.20	228	36770m	1.49	ng/ul	
23) Benzo(b)fluoranthene	23.97	252	49790	1.89	ng/ul#	95
26) Benzo(a)pyrene	24.66	252	32019	1.28	ng/ul#	89
29) Benzo(g,h,i)perylene	28.41	276	24937	1.04	ng/ul	93

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

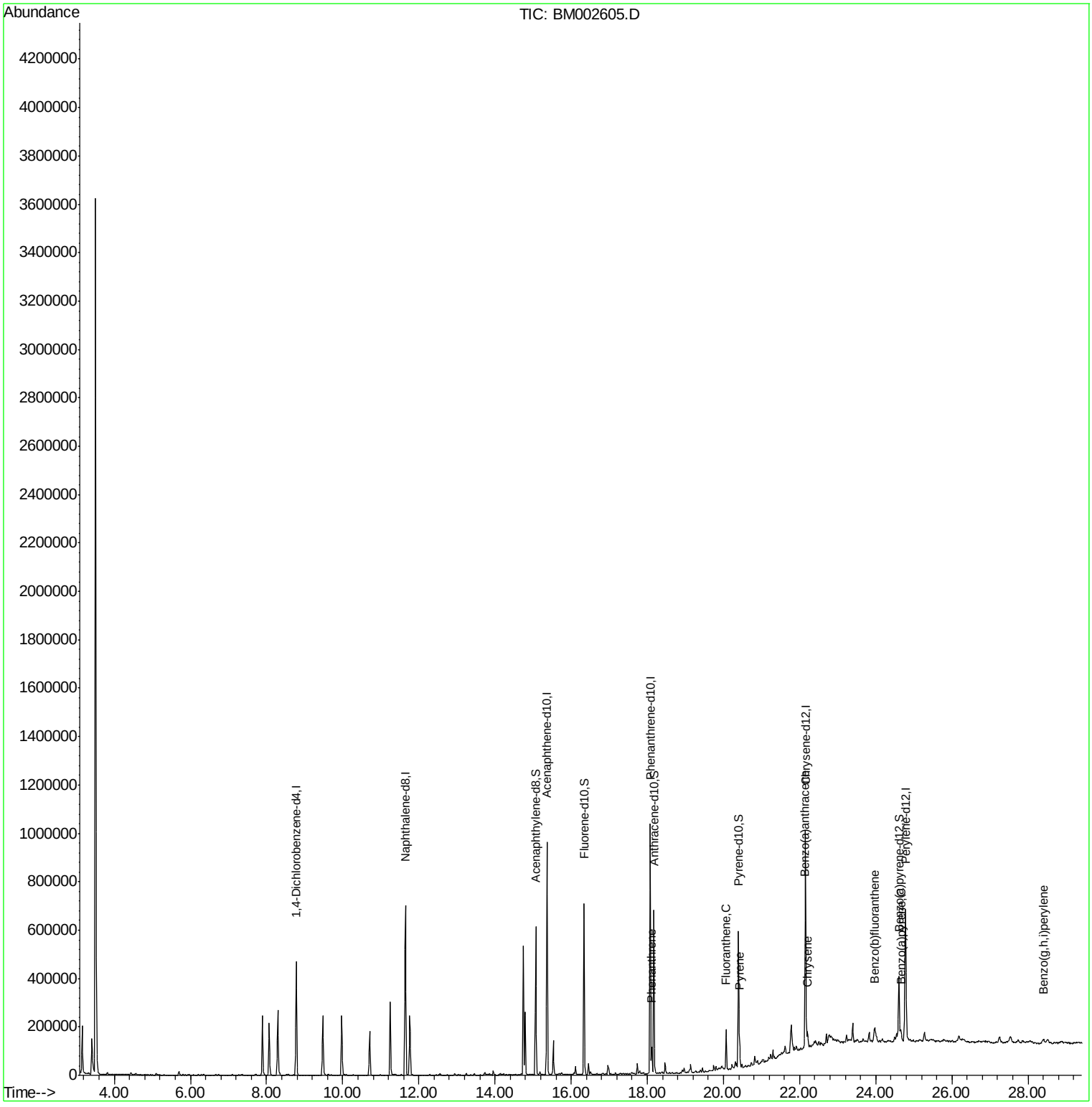
Quantitation Report (QT Reviewed)

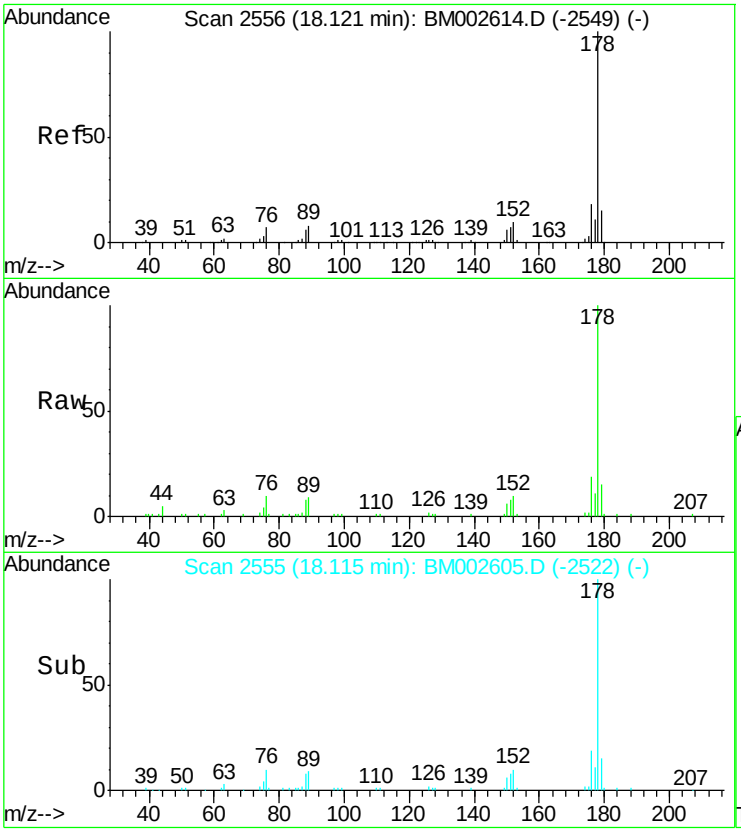
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002605.D
Acq On : 01 Sep 2015 00:53
Operator : UM/IZ
Sample : G3457-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 01 02:17:43 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 02:00:58 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9EB8

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:57:52 PM

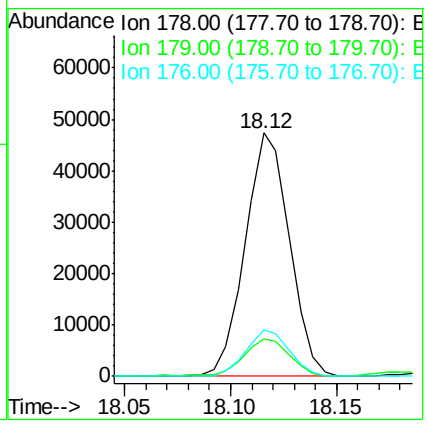




#13
Phenanthrene
Concen: 1.94 ng/ul
RT: 18.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

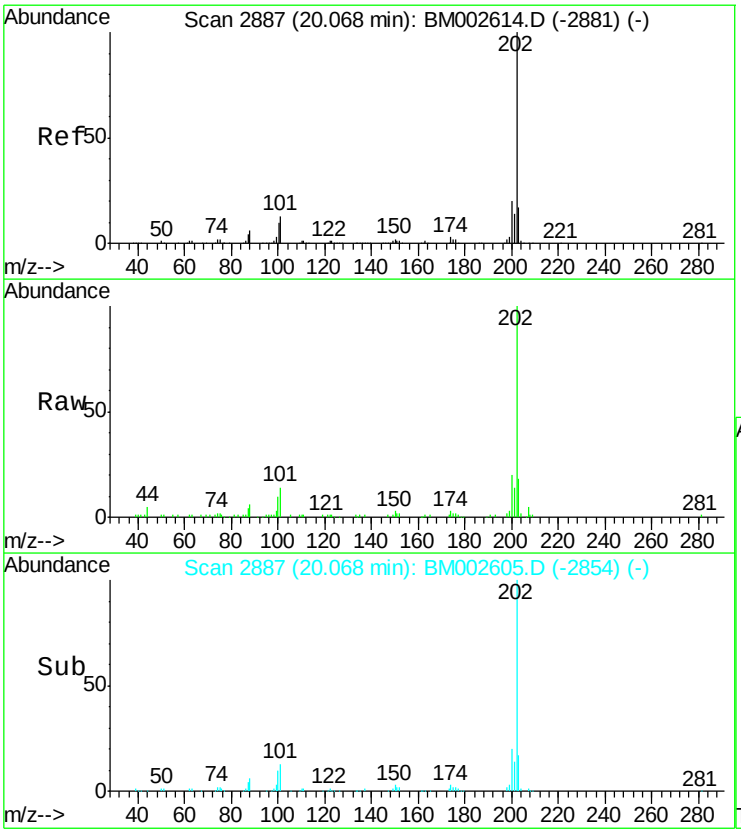
Tgt Ion:178 Resp: 68895

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.2	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9EB8

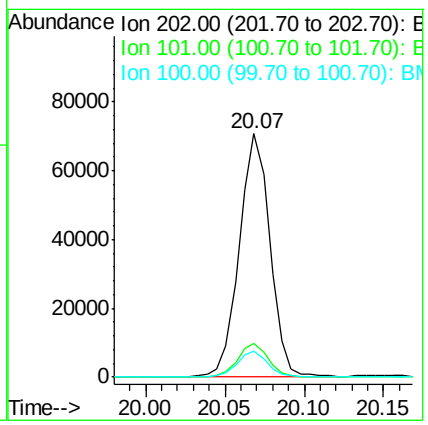
Manual Integrations APPROVED
MMDadoda
9/1/2015 2:57:52 PM

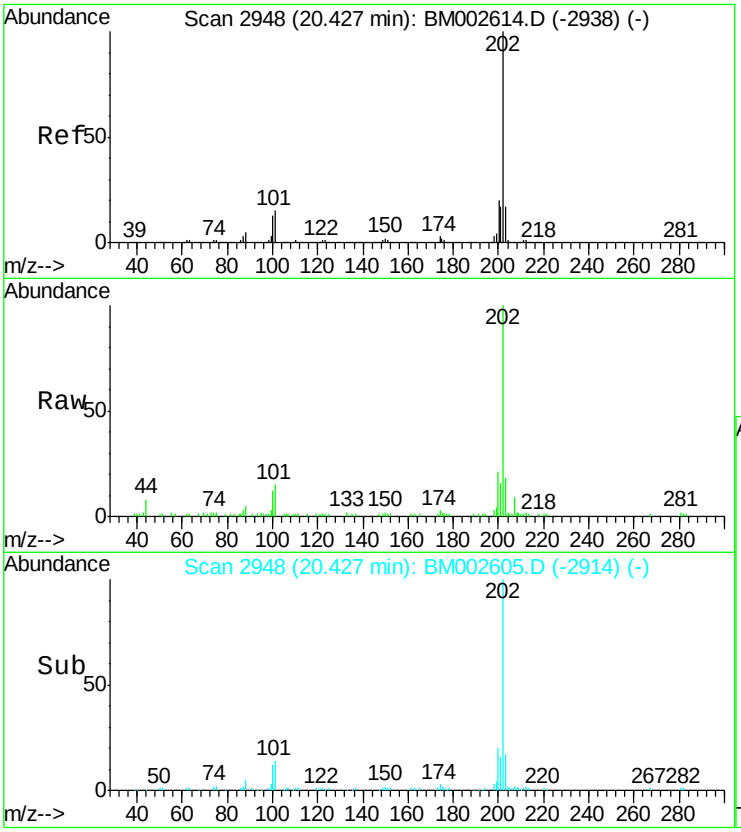


#16
Fluoranthene
Concen: 2.37 ng/ul
RT: 20.07 min Scan# 2887
Delta R.T. -0.01 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

Tgt Ion:202 Resp: 95323

Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	10.5	7.4	11.2

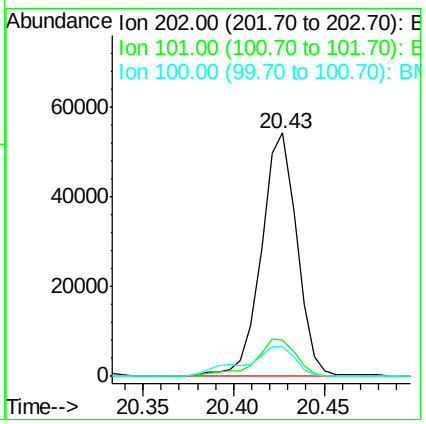




#19
Pyrene
Concen: 2.86 ng/ul
RT: 20.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

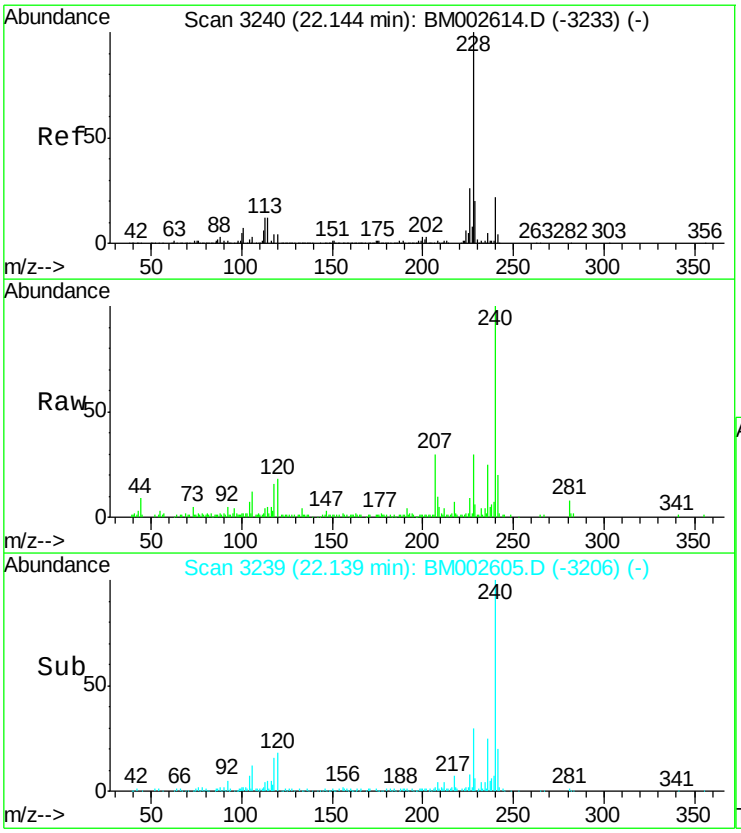
Tgt Ion:202 Resp: 74143

Ion	Ratio	Lower	Upper
202	100		
101	14.8	12.0	18.0
100	12.0	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
D9EB8

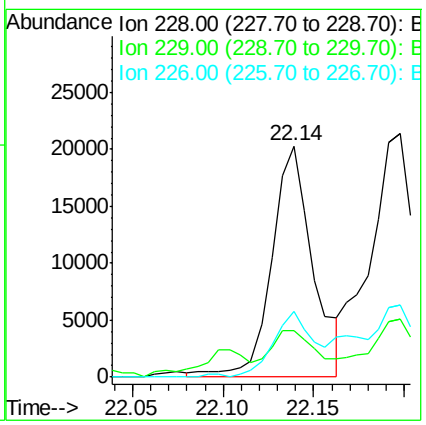
Manual Integrations APPROVED
MMDadoda
9/1/2015 2:57:52 PM

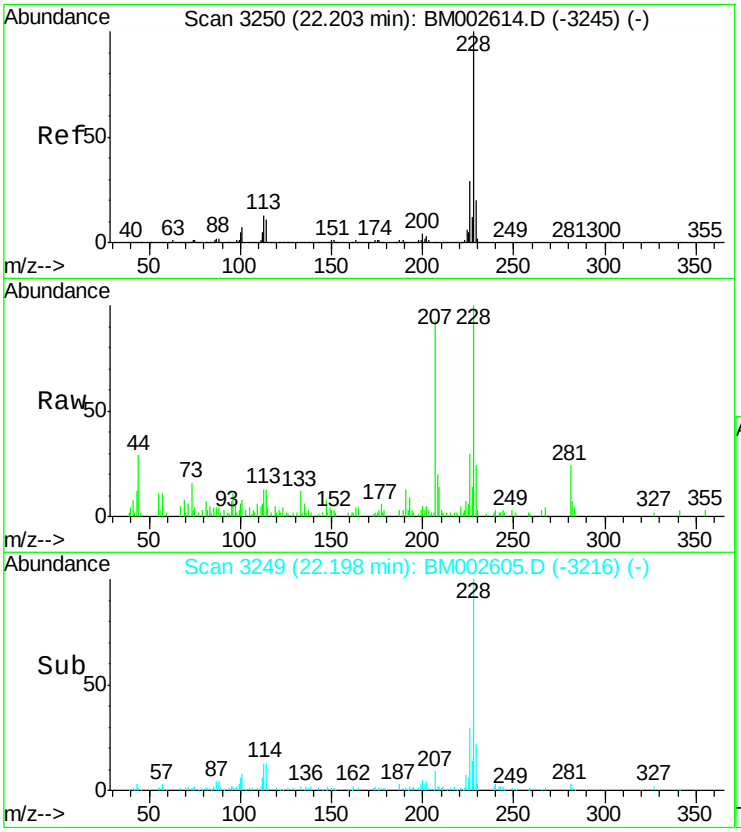


#20
Benzo(a)anthracene
Concen: 1.22 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

Tgt Ion:228 Resp: 32121

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.6
226	28.5	21.1	31.7





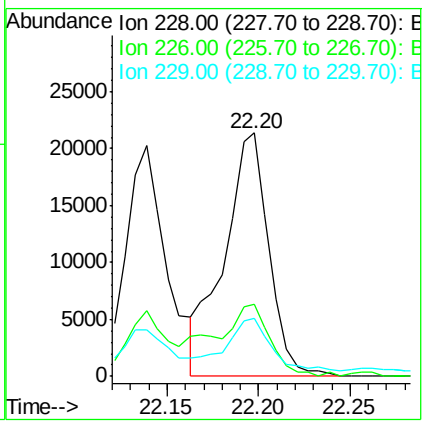
#21
Chrysene
Concen: 1.49 ng/ul m
RT: 22.20 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

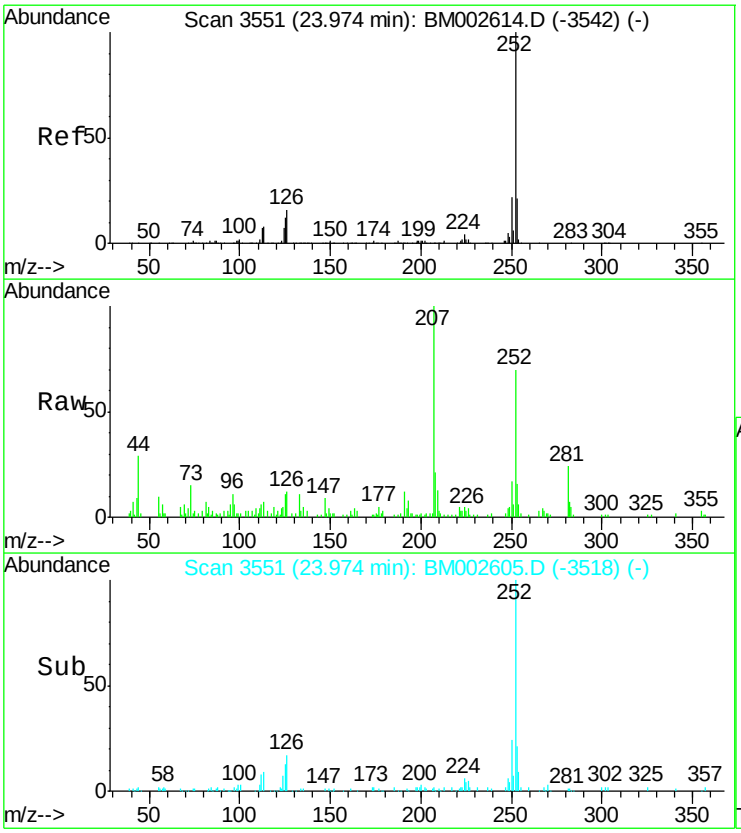
Tgt Ion:228 Resp: 36770

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	24.0	15.7	23.5#

Instrument :
BNA_M
ClientSampleId :
D9EB8

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:57:52 PM

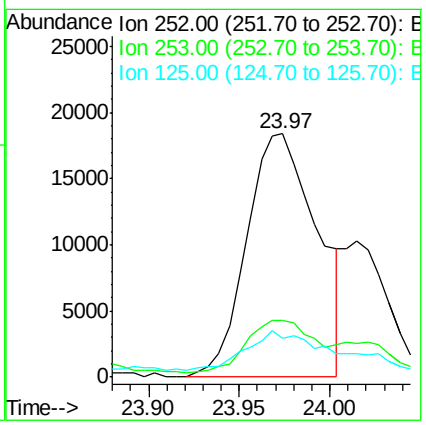


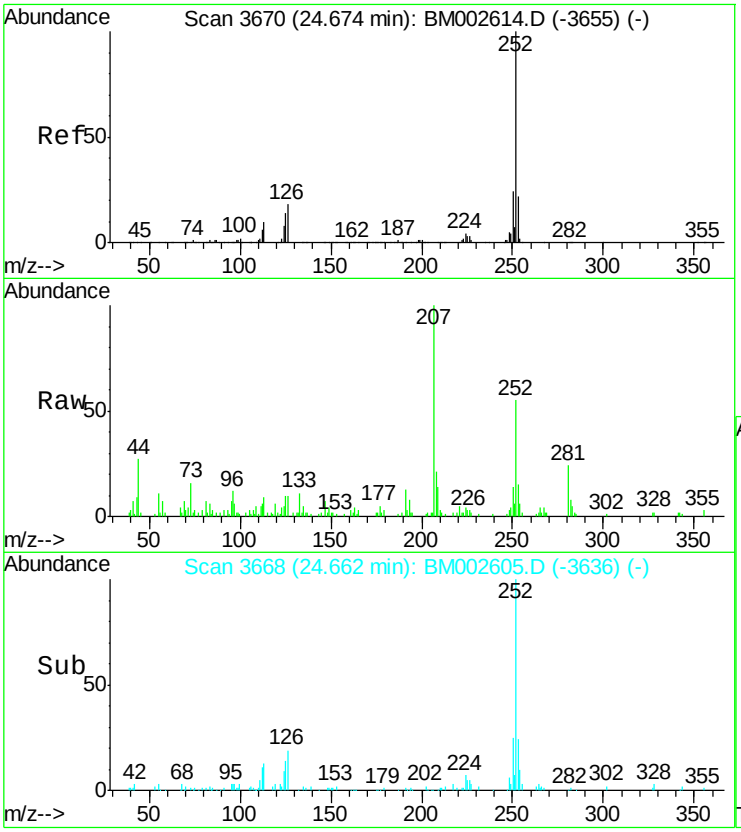


#23
Benzo(b)fluoranthene
Concen: 1.89 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. -0.01 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

Tgt Ion:252 Resp: 49790

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	15.7	10.0	15.0#

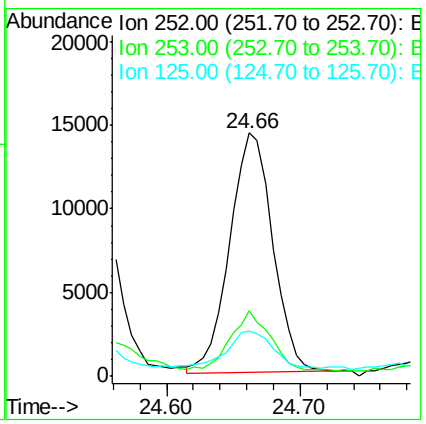




#26
Benzo(a)pyrene
Concen: 1.28 ng/ul
RT: 24.66 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

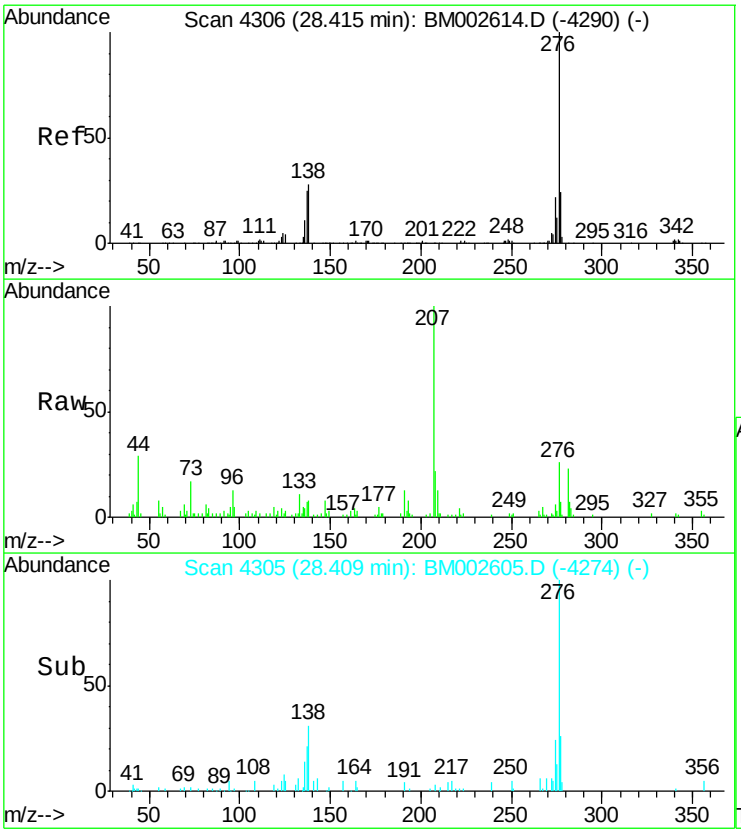
Tgt Ion:252 Resp: 32019

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.6	26.4#
125	18.5	10.7	16.1#



Instrument :
BNA_M
ClientSampleId :
D9EB8

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:57:52 PM



#29
Benzo(g,h,i)perylene
Concen: 1.04 ng/ul
RT: 28.41 min Scan# 4305
Delta R.T. -0.02 min
Lab File: BM002605.D
Acq: 01 Sep 2015 00:53

Tgt Ion:276 Resp: 24937

Ion	Ratio	Lower	Upper
276	100		
138	31.0	21.0	31.6
277	25.8	19.2	28.8