Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032516\
Data File : BM004789.D
Acq On : 25 Mar 2016 22:08
Operator : UM/SJ
Sample : H1909-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4T49

Manual Integrations APPROVED
Sohil
4/6/2016 1:28:56 PM

Quant Time: Apr 05 19:35:37 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1243	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5800	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3526	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	7953m	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	7789	0.40	ng/ul	-0.01
22) Perylene-d12	23.68	264	7016m	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	4799	8.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	2179	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5065	0.27	ng/ul	-0.01
Target Compounds						Qvalue
5) Naphthalene	10.67	128	1380	0.10	ng/ul#	84
7) 2-Methylnaphthalene	12.28	142	334	0.03	ng/ul	97
9) Acenaphthylene	14.18	152	3193	0.20	ng/ul#	95
10) Acenaphthene	14.52	153	318	0.03	ng/ul#	83
11) Fluorene	15.51	166	588	0.04	ng/ul#	81
14) Phenanthrene	17.24	178	12668	0.57	ng/ul	96
15) Anthracene	17.33	178	2983	0.14	ng/ul#	92
17) Fluoranthene	19.27	202	37179m	1.46	ng/ul	
19) Pyrene	19.63	202	34381	1.29	ng/ul	96
20) Benzo(a)anthracene	21.37	228	16541	0.69	ng/ul#	91
21) Chrysene	21.42	228	21707m	0.94	ng/ul	
23) Benzo(b)fluoranthene	22.98	252	31556m	1.34	ng/ul	
24) Benzo(k)fluoranthene	23.02	252	11004m	0.50	ng/ul	
25) Benzo(a)pyrene	23.58	252	20239m	0.94	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.99	276	13142m	0.66	ng/ul	
27) Dibenzo(a,h)anthracene	26.01	278	3163m	0.20	ng/ul	
28) Benzo(g,h,i)perylene	26.70	276	12046m	0.73	ng/ul	

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

Quantitation Report (QT Reviewed)

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BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
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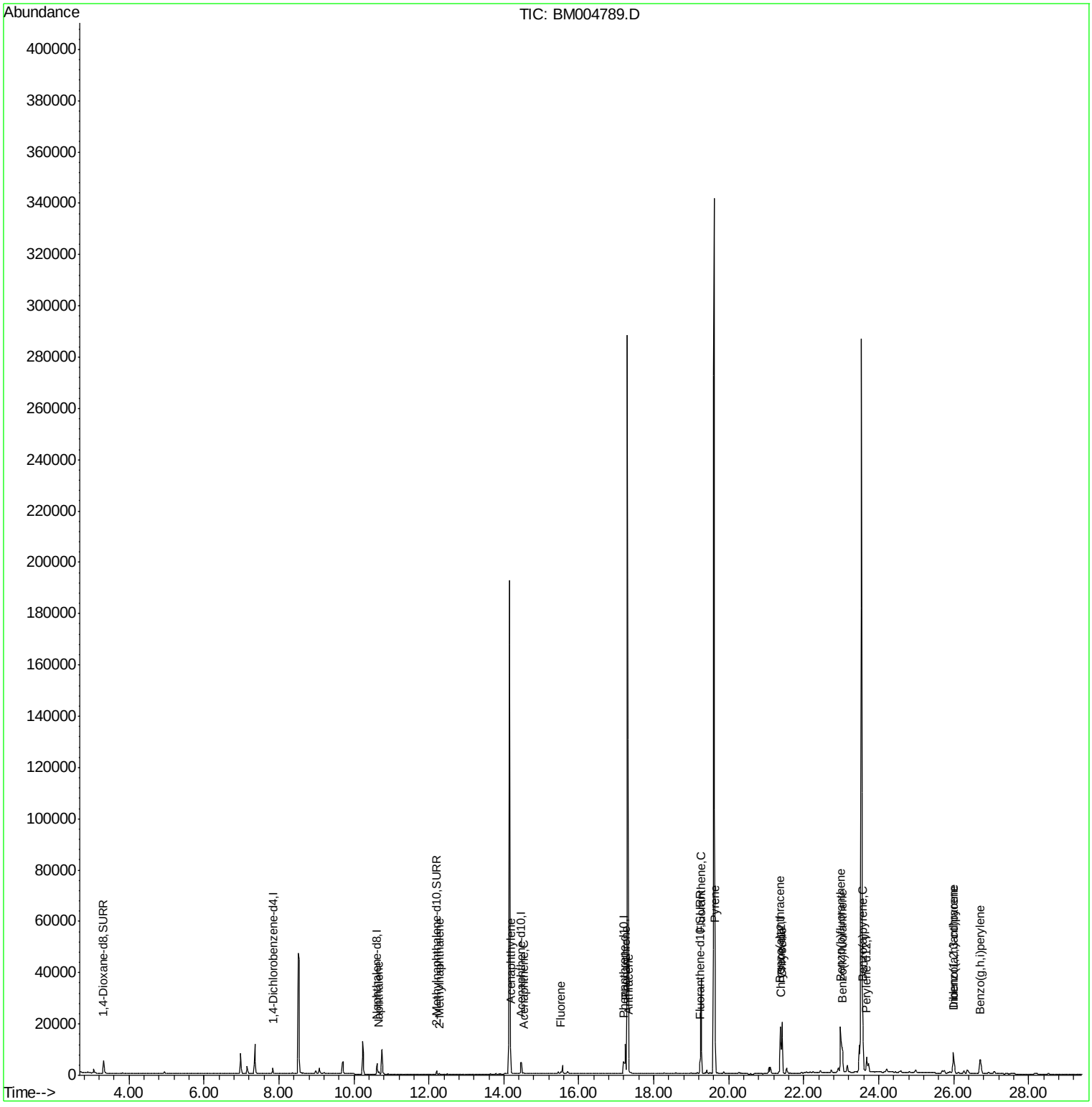

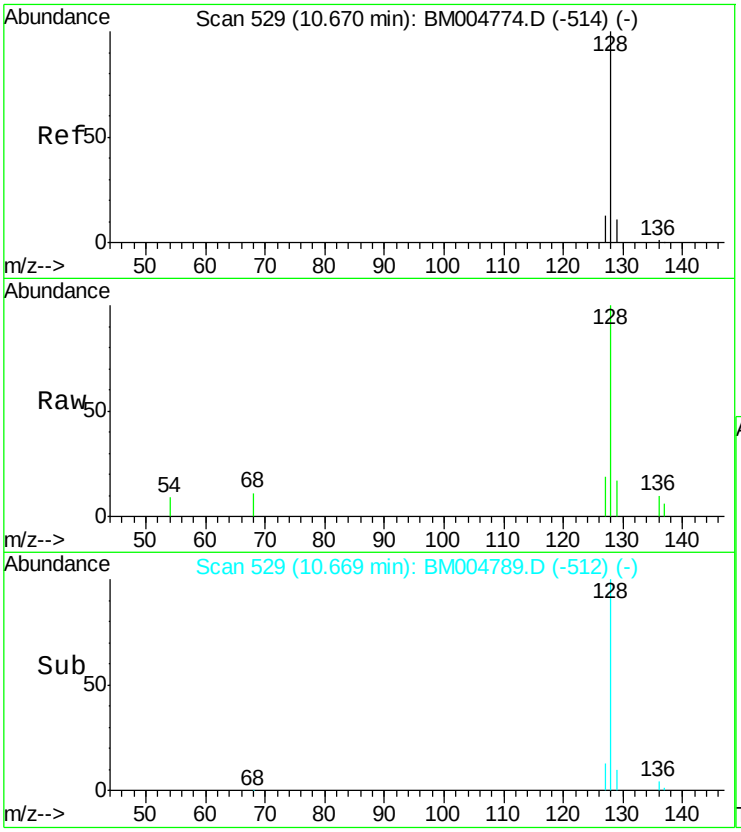

#5
Naphthalene
Concen: 0.10 ng/ul
RT: 10.67 min Scan# 529
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:128 Resp: 1380

Ion	Ratio	Lower	Upper
128	100		
129	17.1	9.0	13.6#
127	18.6	9.6	14.4#

Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
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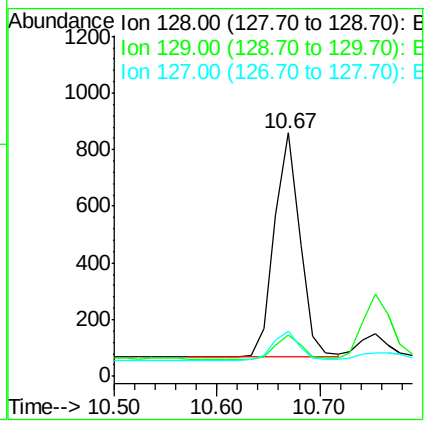
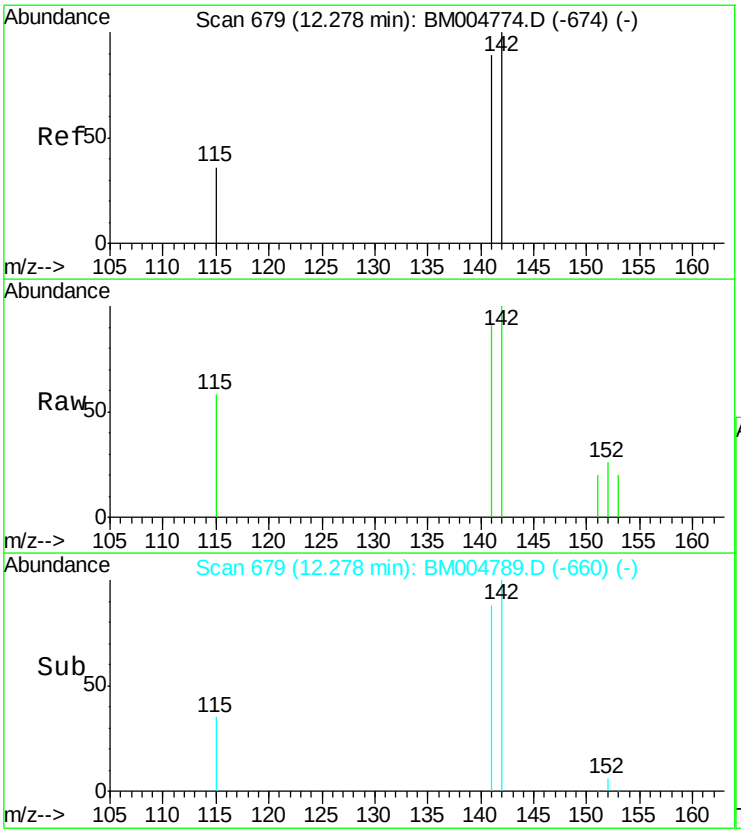
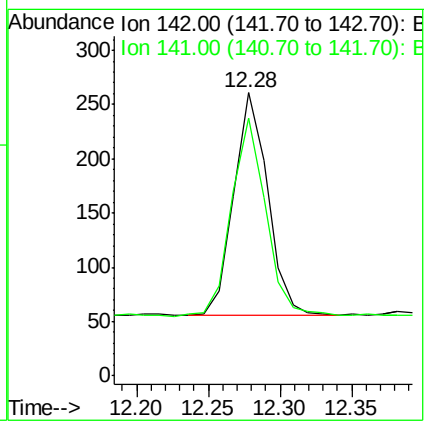


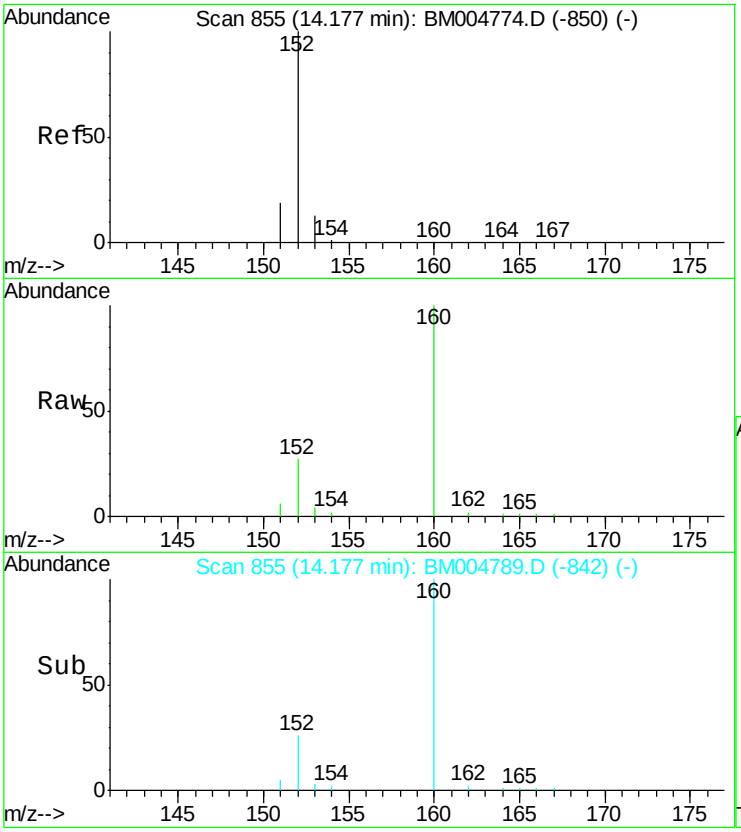


#7
2-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.28 min Scan# 679
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:142 Resp: 334

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.3	105.5

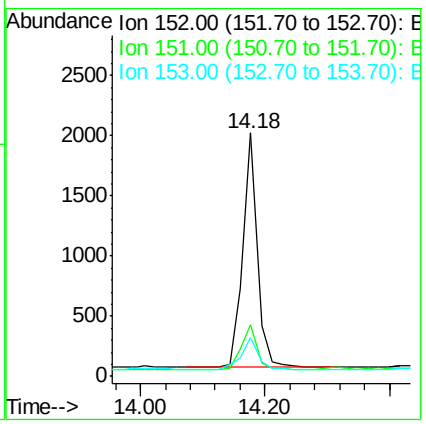




#9
Acenaphthylene
Concen: 0.20 ng/ul
RT: 14.18 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:152 Resp: 3193

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.6	26.4
153	15.9	9.7	14.5#



Instrument :
BNA_M
ClientSampleId :
A4T49

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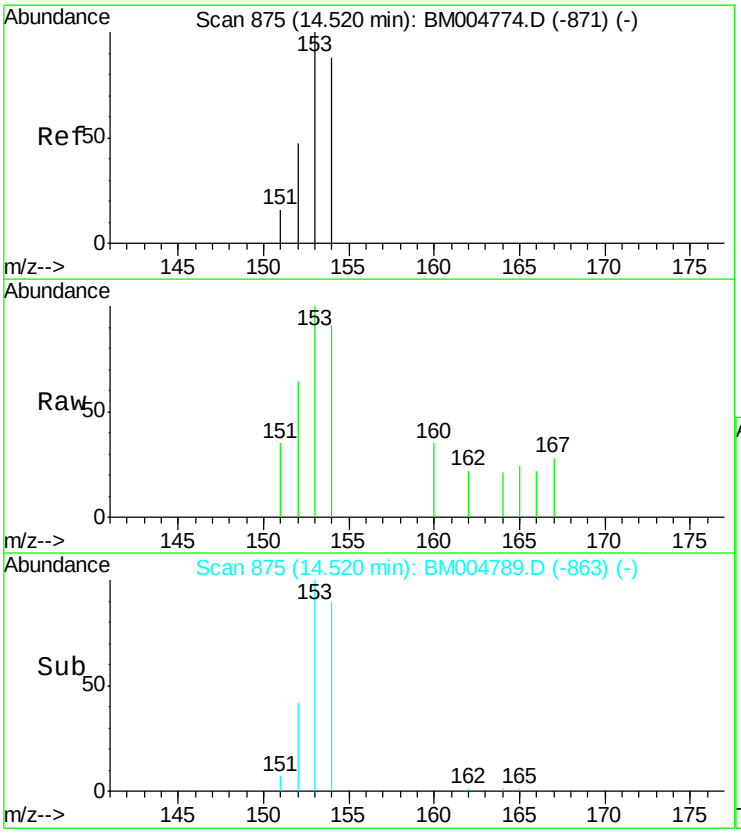
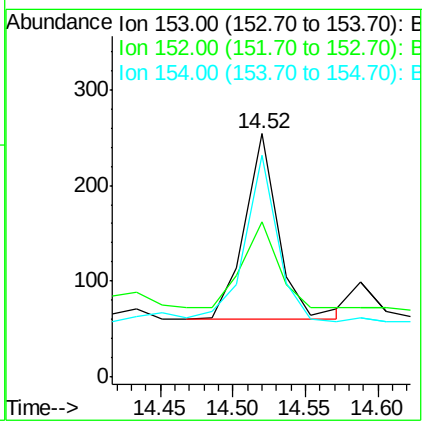
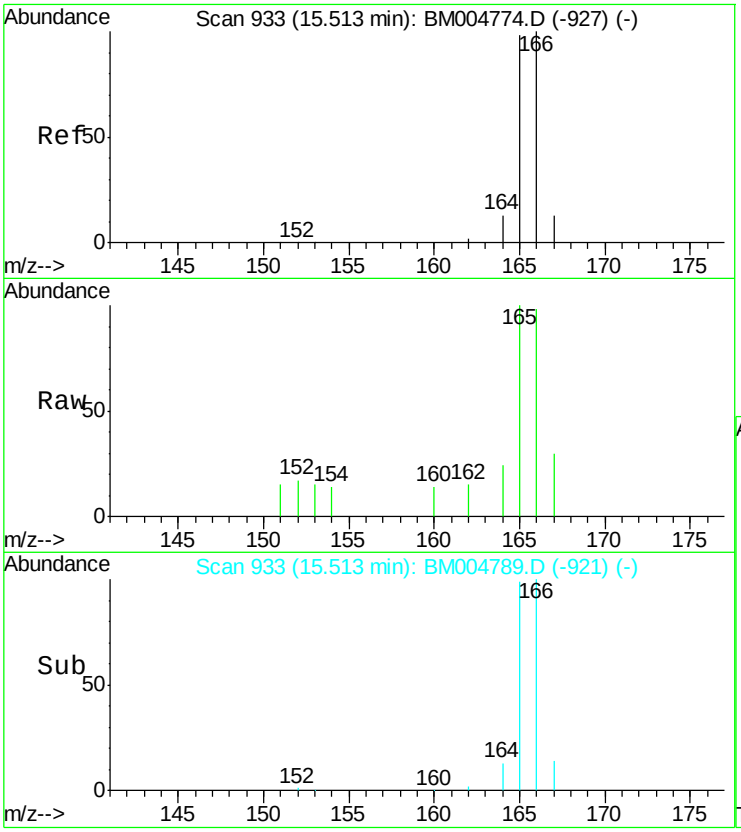


#10
Acenaphthene
Concen: 0.03 ng/ul
RT: 14.52 min Scan# 875
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:153 Resp: 318

Ion	Ratio	Lower	Upper
153	100		
152	63.8	33.9	50.9#
154	90.9	80.6	121.0

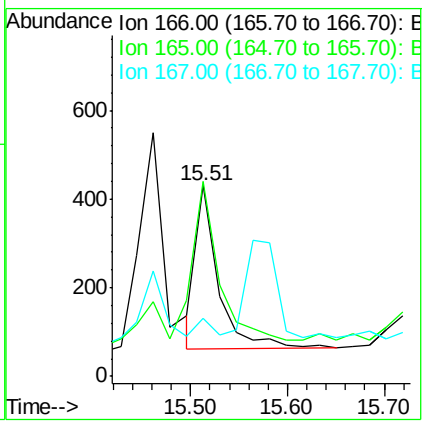




#11
Fluorene
Concen: 0.04 ng/ul
RT: 15.51 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:166 Resp: 588

Ion	Ratio	Lower	Upper
166	100		
165	102.1	69.6	104.4
167	30.2	11.9	17.9#



Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
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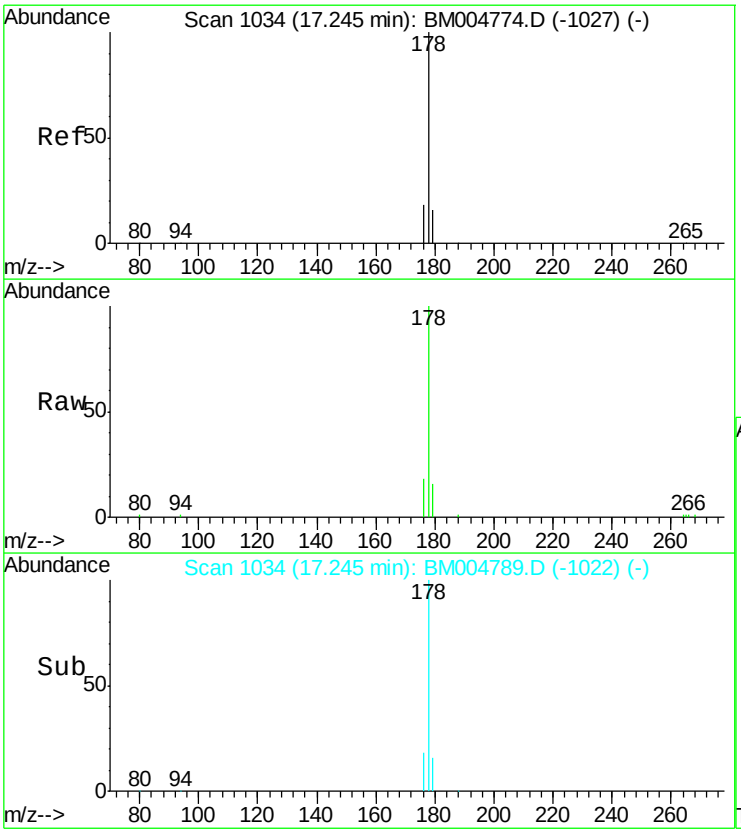
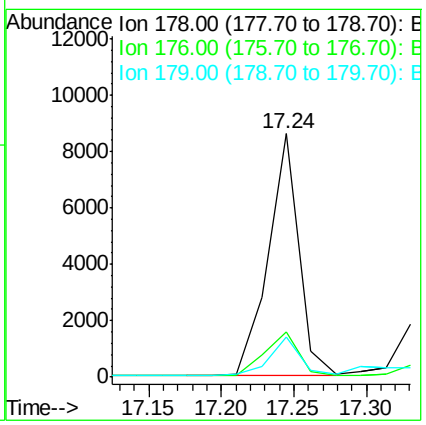
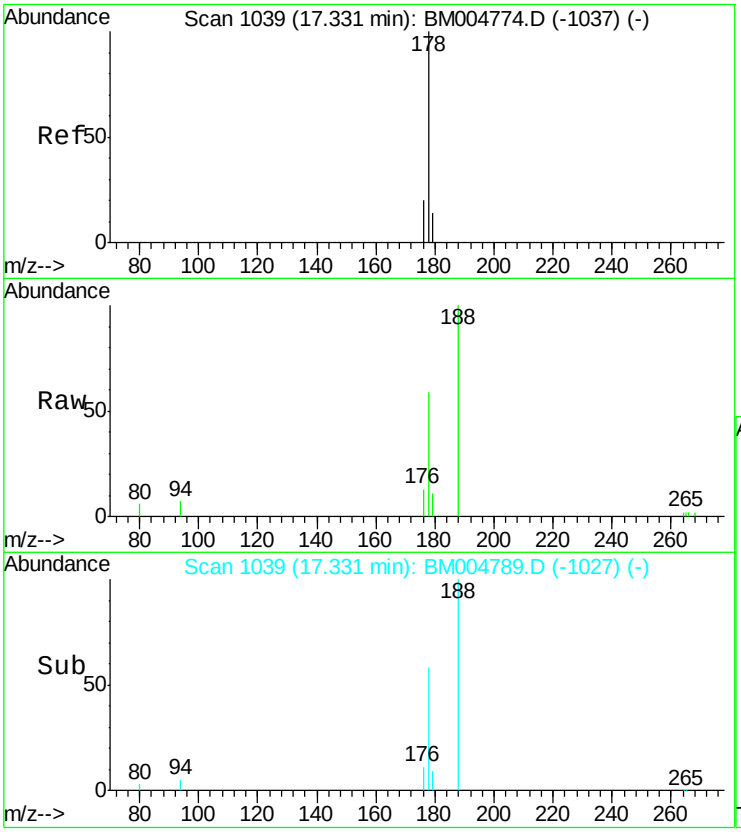


#14
Phenanthrene
Concen: 0.57 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:178 Resp: 12668

Ion	Ratio	Lower	Upper
178	100		
176	18.3	13.0	19.4
179	16.3	14.2	21.2

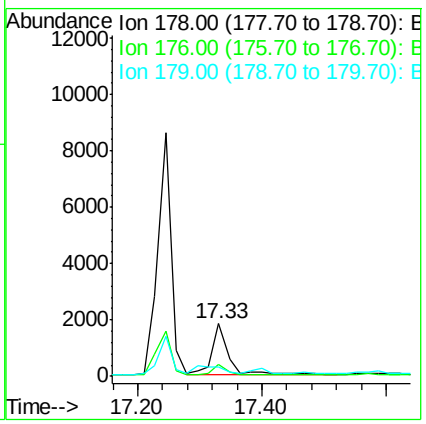




#15
Anthracene
Concen: 0.14 ng/ul
RT: 17.33 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:178 Resp: 2983

Ion	Ratio	Lower	Upper
178	100		
176	21.7	14.0	21.0#
179	18.3	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
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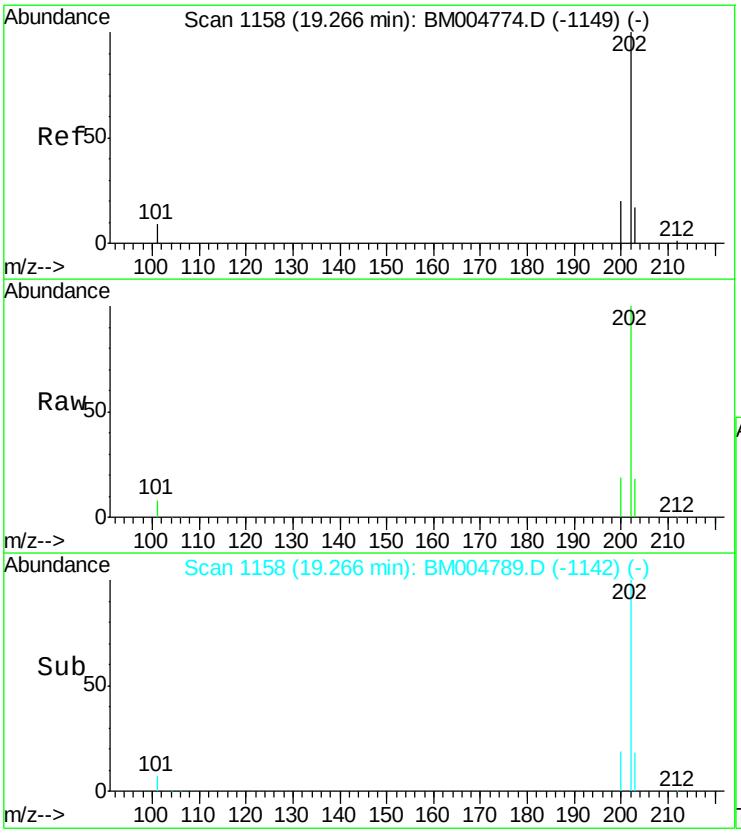
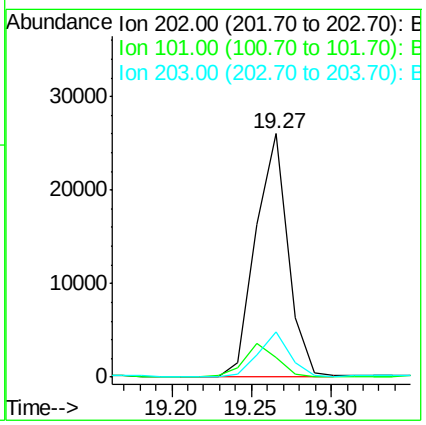
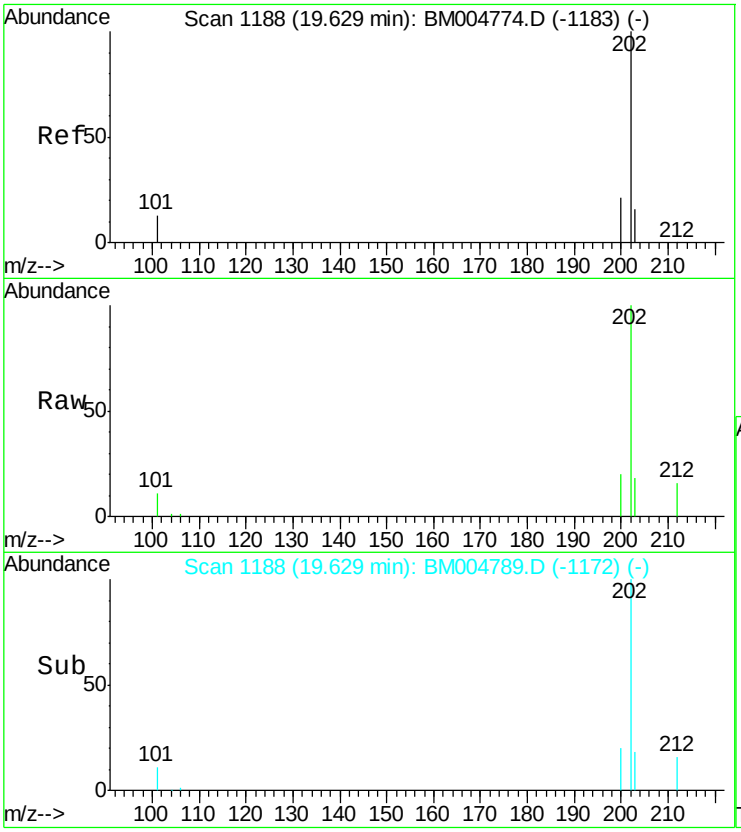


#17
Fluoranthene
Concen: 1.46 ng/ul m
RT: 19.27 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:202 Resp: 37179

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	29.6
203	18.4	0.0	36.3

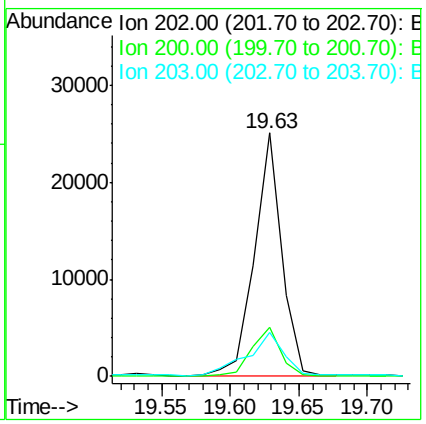




#19
Pyrene
Concen: 1.29 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:202 Resp: 34381

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.8
203	18.0	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
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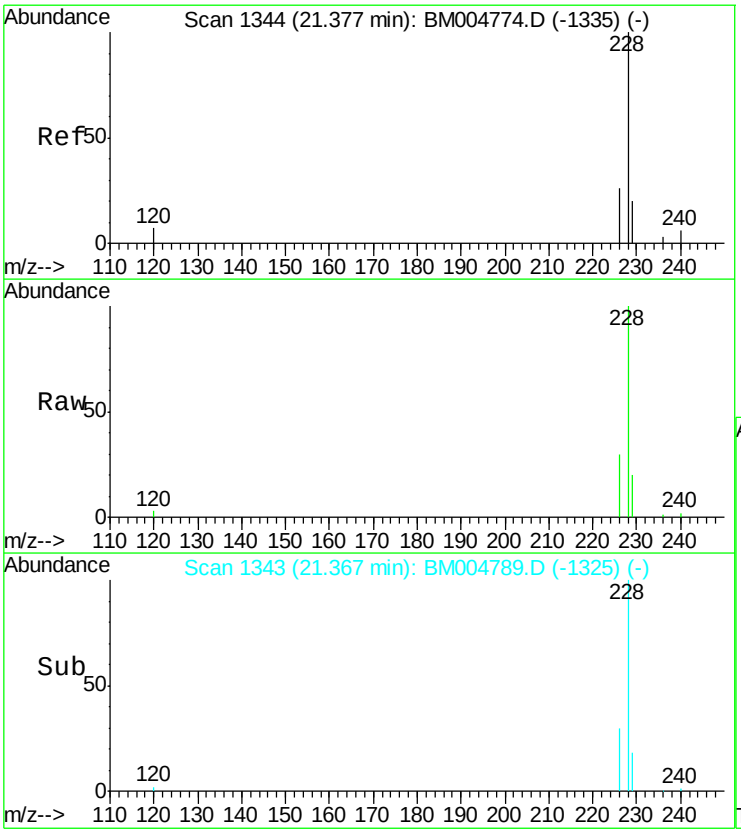
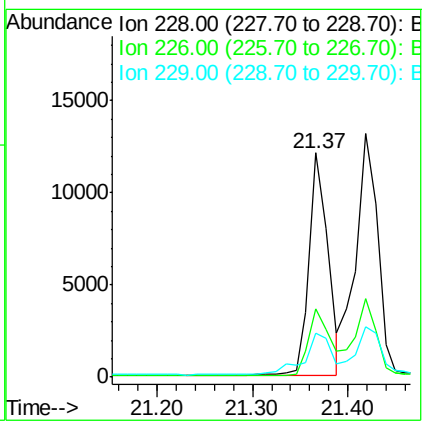
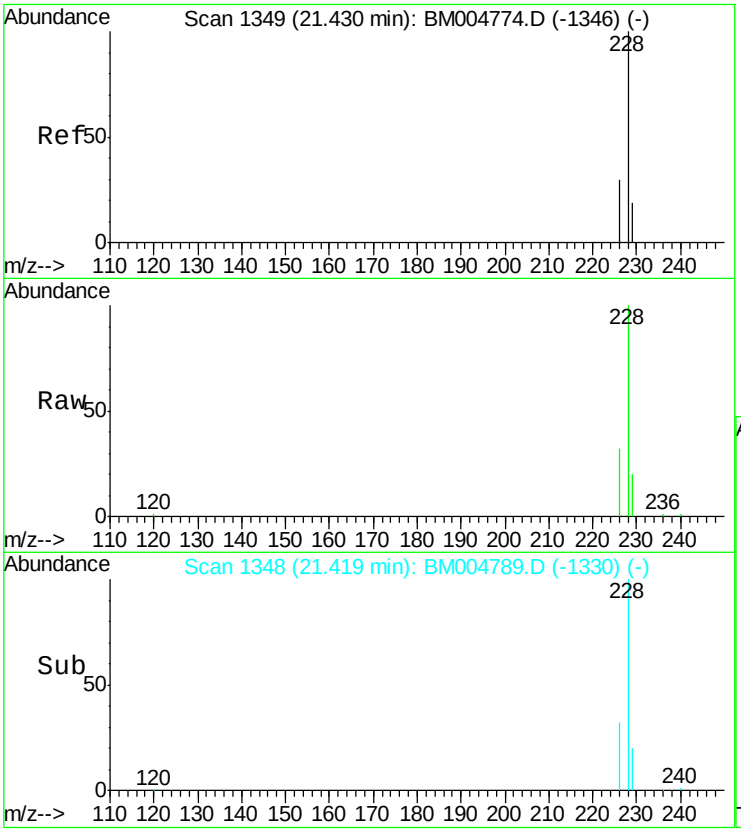


#20
Benzo(a)anthracene
Concen: 0.69 ng/ul
RT: 21.37 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:228 Resp: 16541

Ion	Ratio	Lower	Upper
228	100		
226	30.3	18.8	28.2#
229	19.7	17.1	25.7





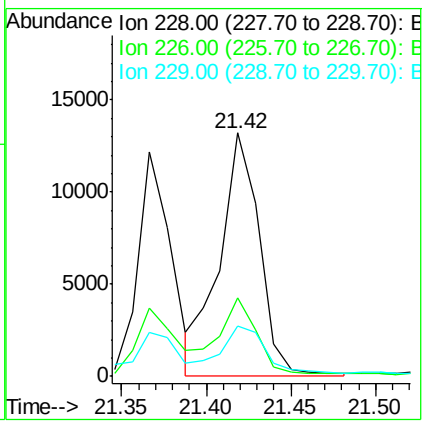
#21
Chrysene
Concen: 0.94 ng/ul m
RT: 21.42 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

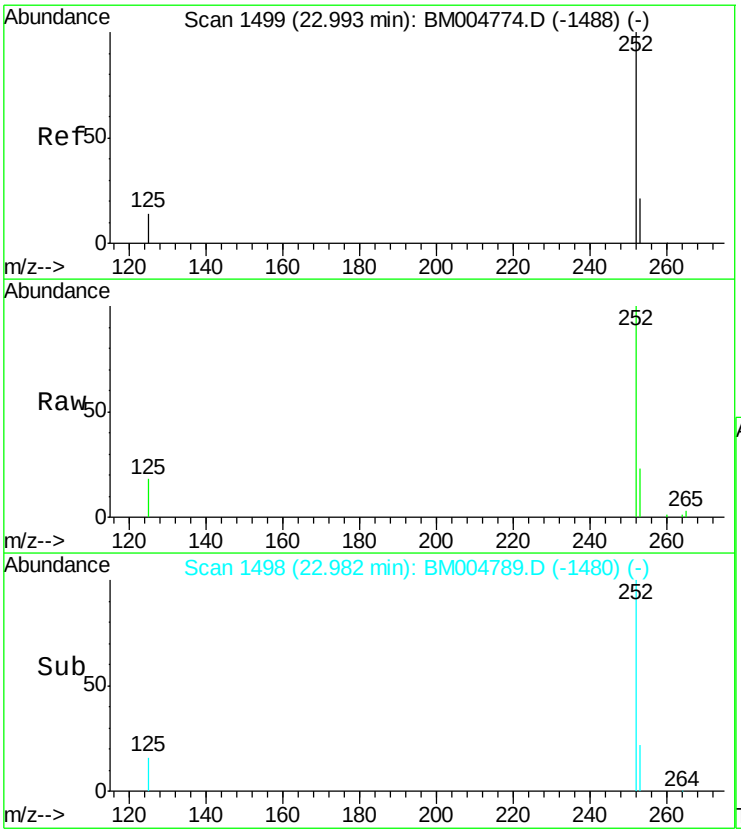
Tgt Ion:228 Resp: 21707

Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.2	31.8#
229	20.4	17.0	25.6

Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
Sohil
4/6/2016 1:28:56 PM

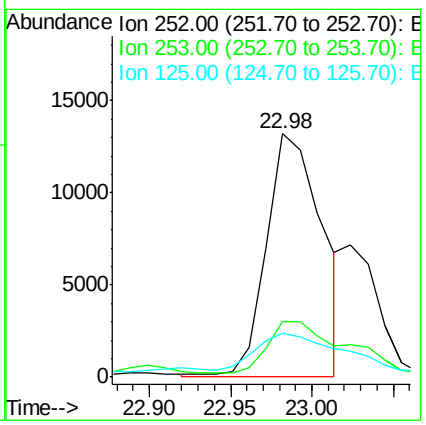


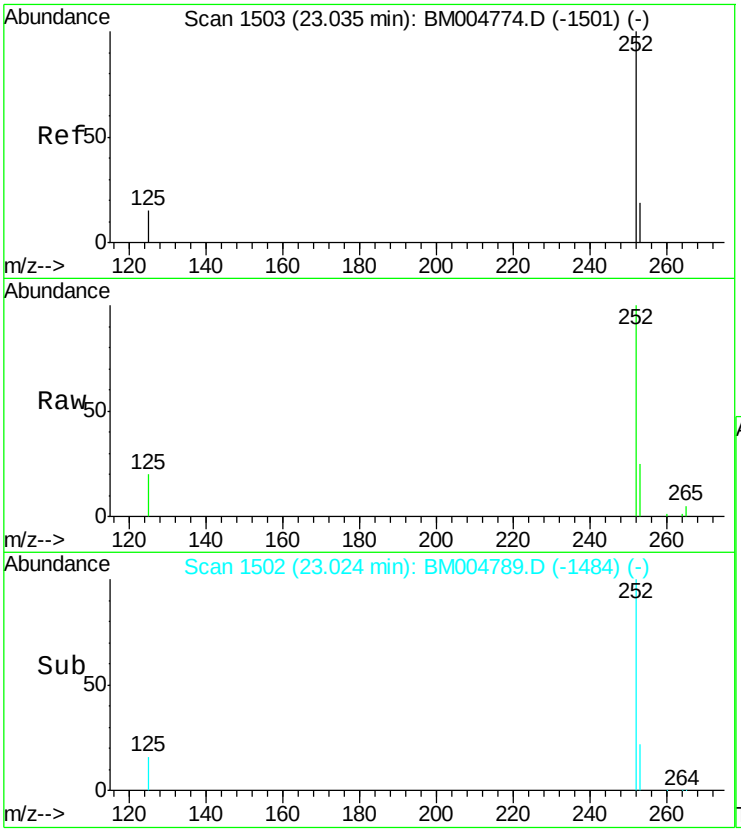


#23
Benzo(b)fluoranthene
Concen: 1.34 ng/ul m
RT: 22.98 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:252 Resp: 31556

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	45.4
125	18.2	0.0	28.8





#24
Benzo(k)fluoranthene
Concen: 0.50 ng/ul m
RT: 23.02 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:252 Resp: 11004

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.8	29.8
125	20.0	10.4	15.6#

Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
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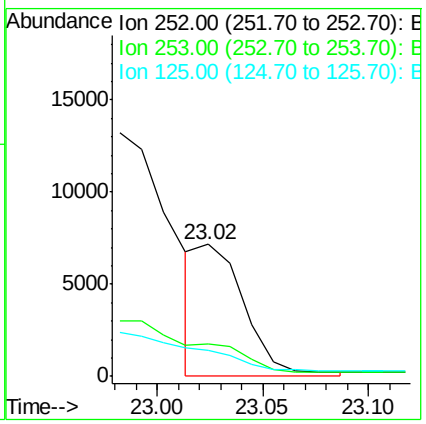
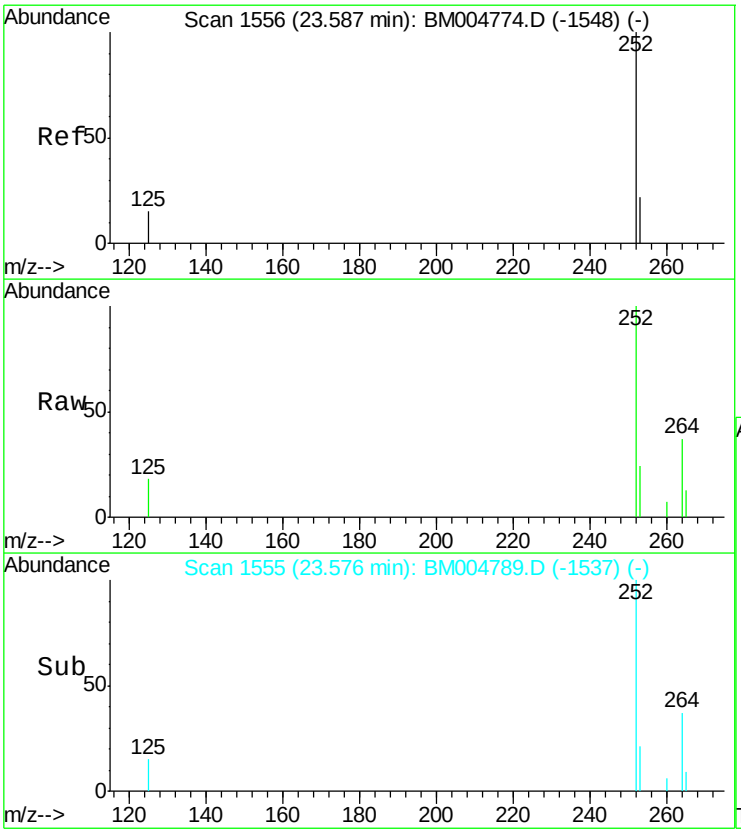
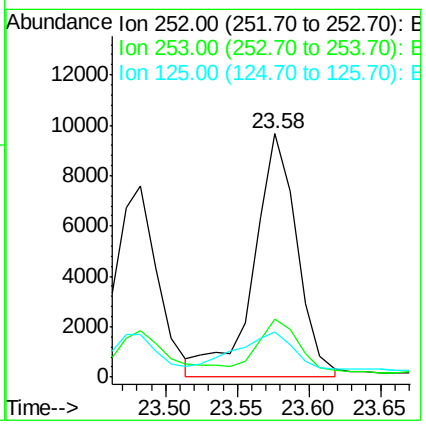


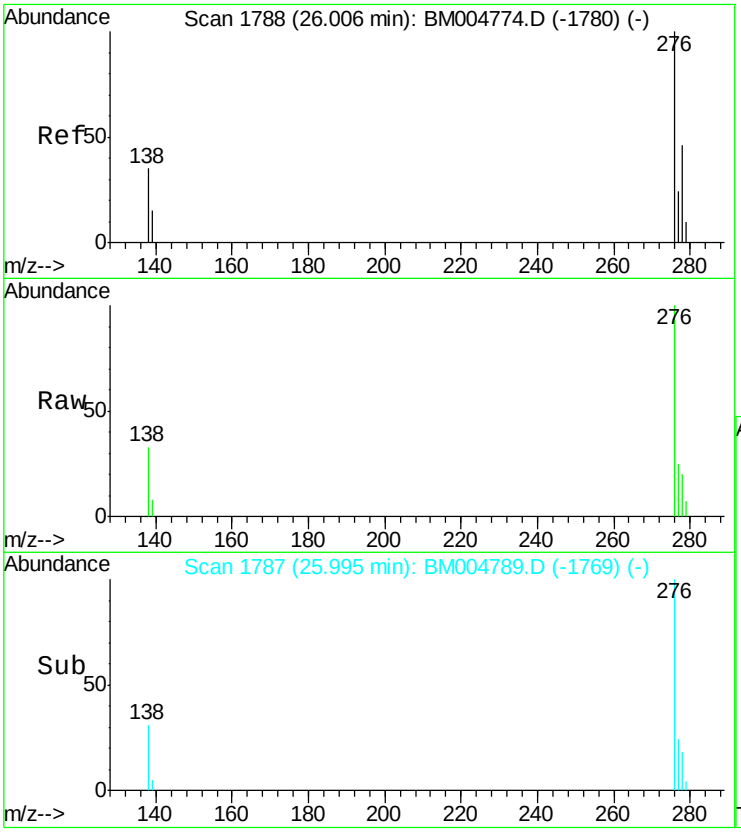


#25
Benzo(a)pyrene
Concen: 0.94 ng/ul m
RT: 23.58 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:252 Resp: 20239

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	18.4	12.7	19.1





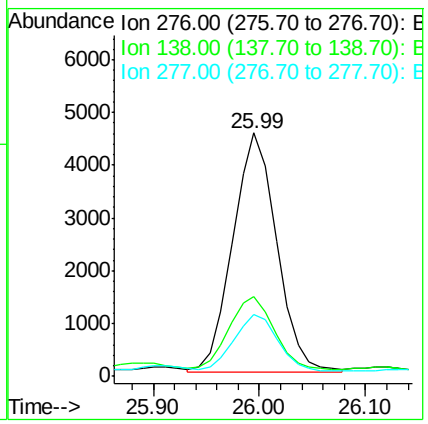
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.66 ng/ul m
RT: 25.99 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

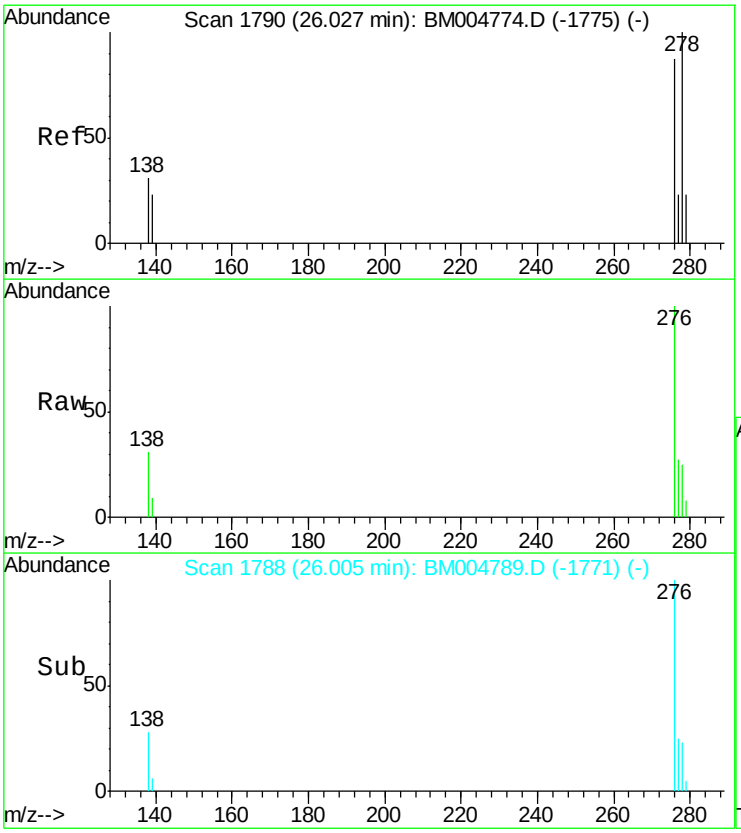
Tgt Ion:276 Resp: 13142

Ion	Ratio	Lower	Upper
276	100		
138	2.7	16.3	24.5#
277	4.1	19.8	29.8#

Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
Sohil
4/6/2016 1:28:56 PM

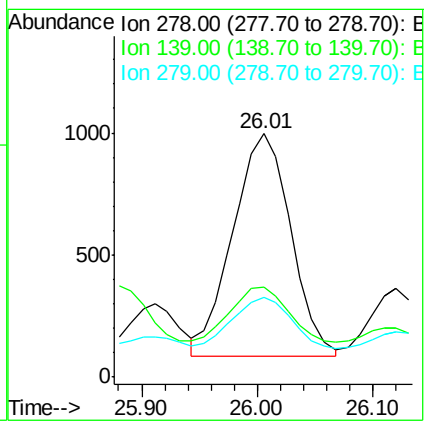


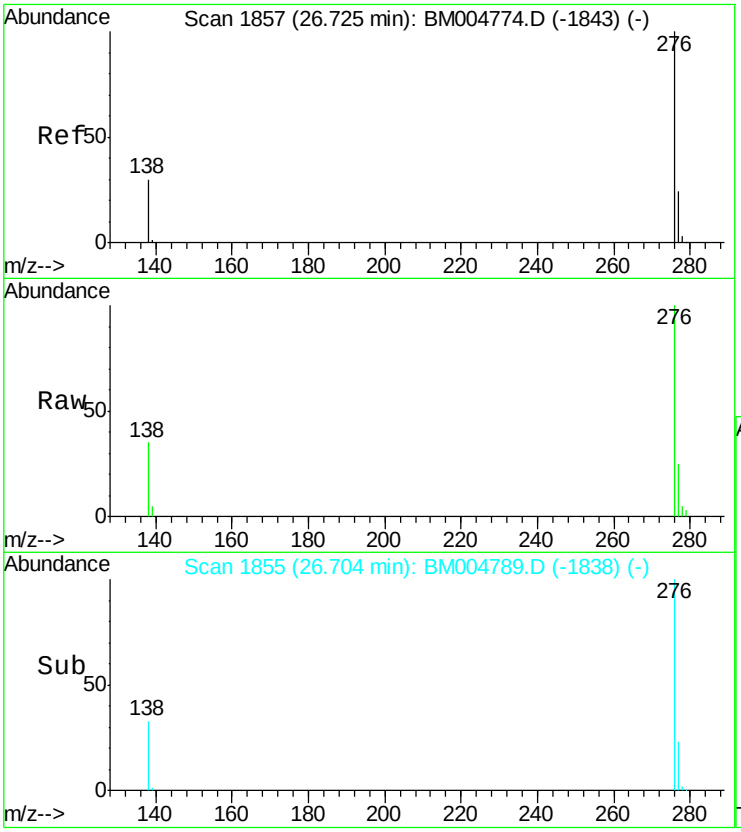


#27
Dibenzo(a,h)anthracene
Concen: 0.20 ng/ul m
RT: 26.01 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:278 Resp: 3163

Ion	Ratio	Lower	Upper
278	100		
139	36.9	16.4	24.6#
279	32.8	20.2	30.2#

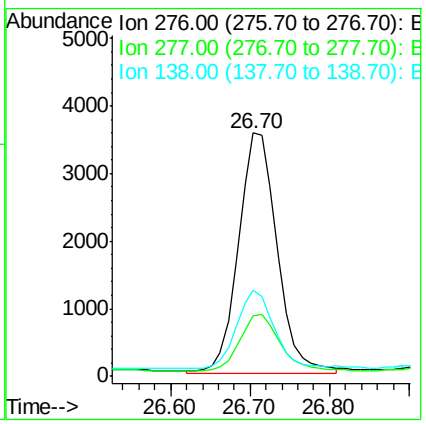




#28
Benzo(g,h,i)perylene
Concen: 0.73 ng/ul m
RT: 26.70 min Scan# 1855
Delta R.T. -0.02 min
Lab File: BM004789.D
Acq: 25 Mar 2016 22:08

Tgt Ion:276 Resp: 12046

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	35.3	22.5	33.7#



Instrument :
BNA_M
ClientSampleId :
A4T49

Manual Integrations APPROVED
Sohil
4/6/2016 1:28:56 PM