Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032816\
Data File : BM004811.D
Acq On : 28 Mar 2016 19:16
Operator : UM/SJ
Sample : H1909-05DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4T41DL

Manual Integrations APPROVED
Sohil
4/6/2016 5:05:07 PM

Quant Time: Apr 05 20:02:12 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	1147	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5111	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2831	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	6326	0.40	ng/ul	0.00
18) Chrysene-d12	21.40	240	6640	0.40	ng/ul	0.00
22) Perylene-d12	23.69	264	5659	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	927	1.79	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	367	0.05	ng/ul	0.01
16) Fluoranthene-d10	19.24	212	955	0.06	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.67	128	1928	0.16	ng/ul#	89
7) 2-Methylnaphthalene	12.28	142	340	0.04	ng/ul	99
9) Acenaphthylene	14.18	152	4355	0.33	ng/ul#	94
10) Acenaphthene	14.52	153	708	0.08	ng/ul#	87
11) Fluorene	15.51	166	1479	0.13	ng/ul#	87
14) Phenanthrene	17.24	178	27085	1.52	ng/ul	96
15) Anthracene	17.33	178	7289	0.43	ng/ul	96
17) Fluoranthene	19.27	202	81161	4.01	ng/ul	98
19) Pyrene	19.63	202	69492	3.06	ng/ul	97
20) Benzo(a)anthracene	21.38	228	36728	1.80	ng/ul	95
21) Chrysene	21.43	228	36251	1.84	ng/ul	96
23) Benzo(b)fluoranthene	22.99	252	47427m	2.49	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	16103m	0.91	ng/ul	
25) Benzo(a)pyrene	23.59	252	29645	1.70	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	26.01	276	15228	0.94	ng/ul#	88
27) Dibenzo(a,h)anthracene	26.02	278	3702	0.29	ng/ul#	82
28) Benzo(g,h,i)perylene	26.72	276	12885	0.96	ng/ul	94

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032816\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 18:29:16 2016
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Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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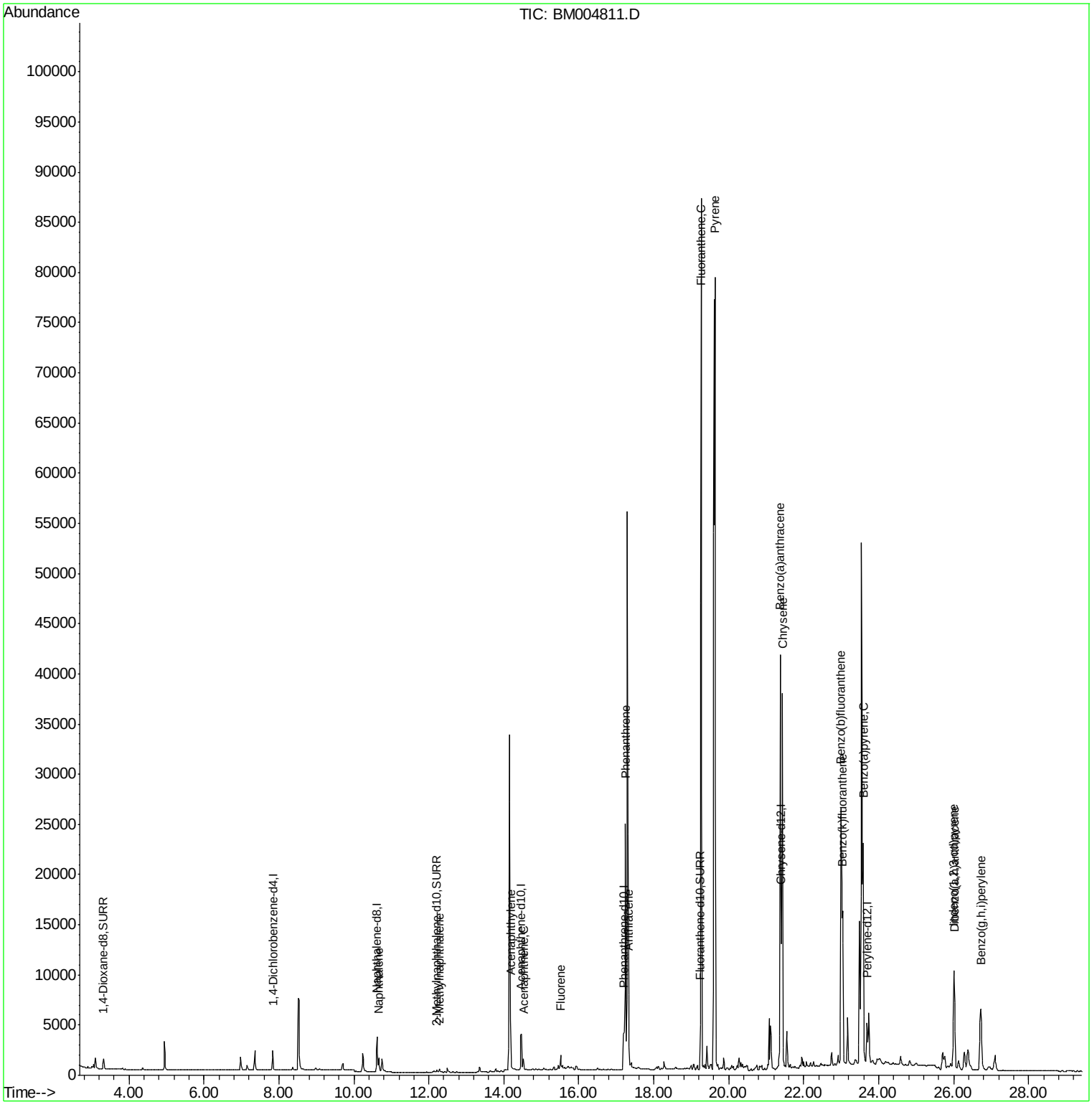
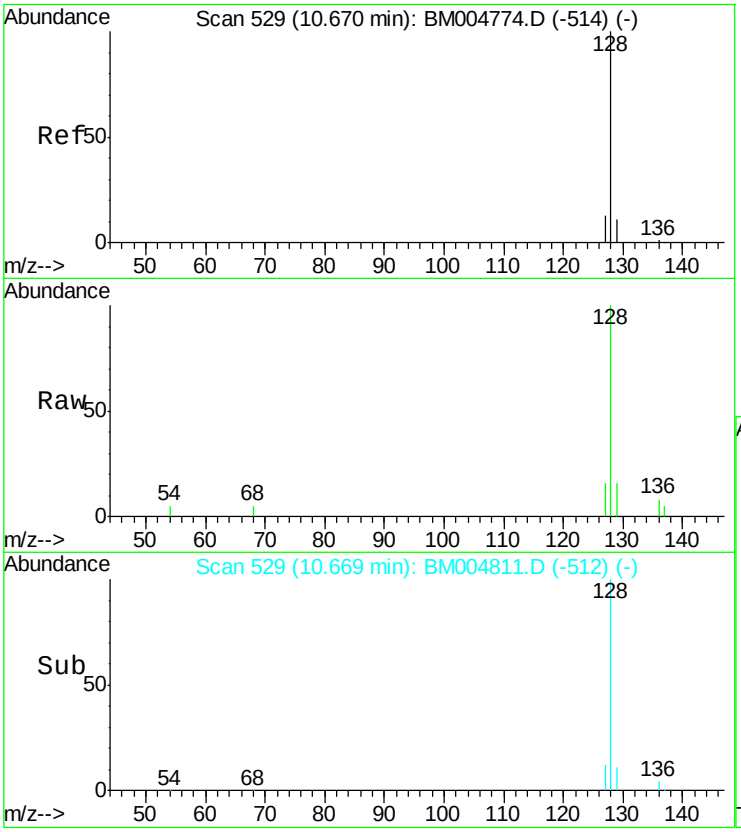
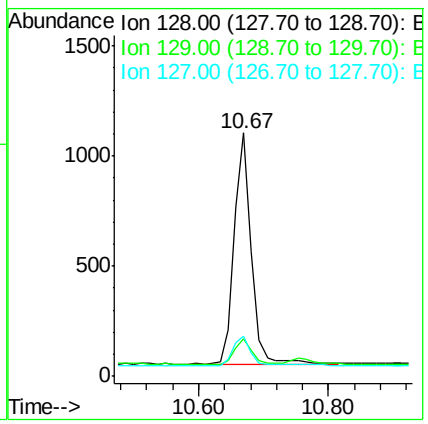




#5
Naphthalene
Concen: 0.16 ng/ul
RT: 10.67 min Scan# 529
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:128 Resp: 1928

Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.0	13.6#
127	16.3	9.6	14.4#



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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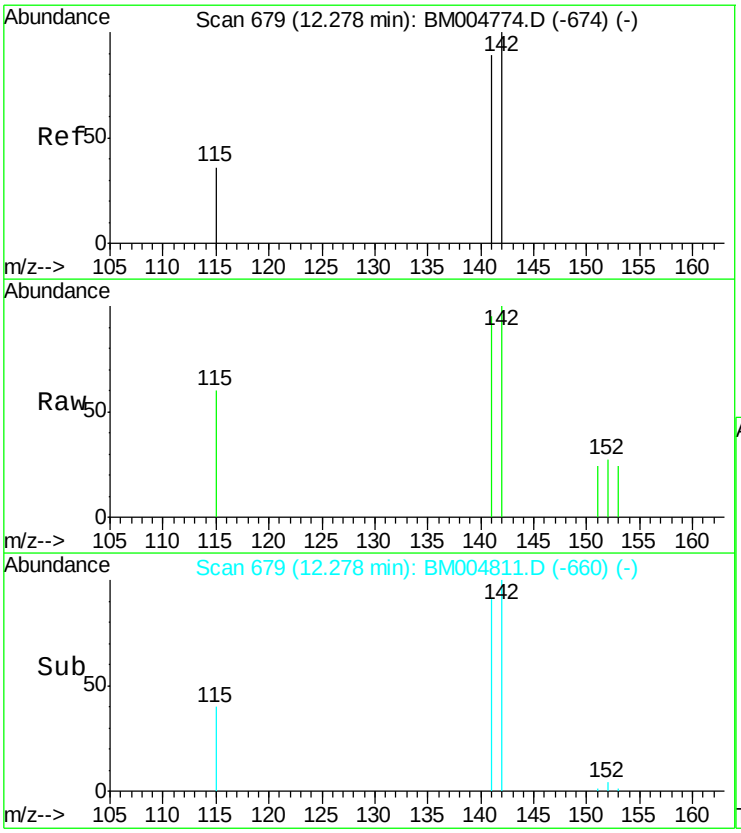
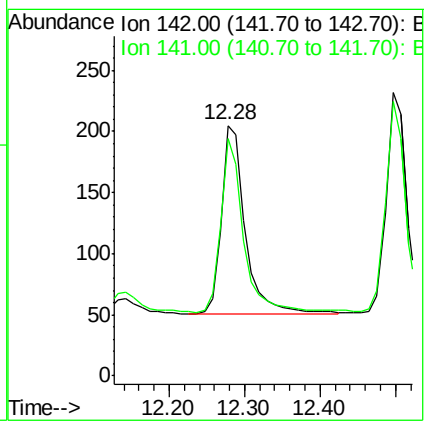
4/6/2016 5:05:07 PM

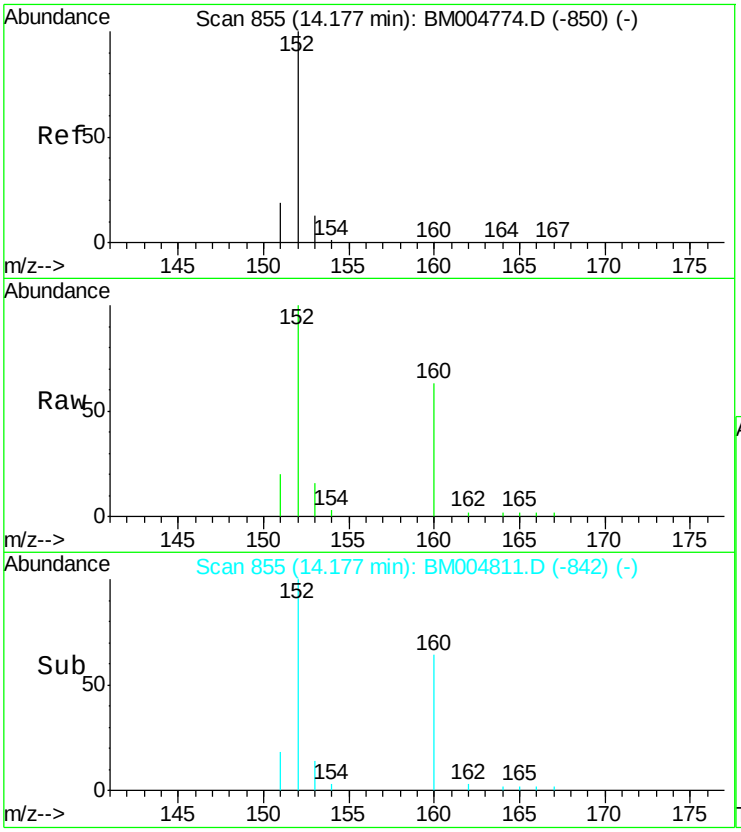


#7
2-Methylnaphthalene
Concen: 0.04 ng/ul
RT: 12.28 min Scan# 679
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:142 Resp: 340

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5

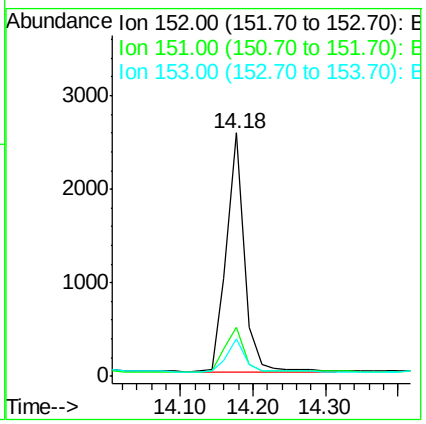




#9
Acenaphthylene
Concen: 0.33 ng/ul
RT: 14.18 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:152 Resp: 4355

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.6	26.4
153	15.6	9.7	14.5#



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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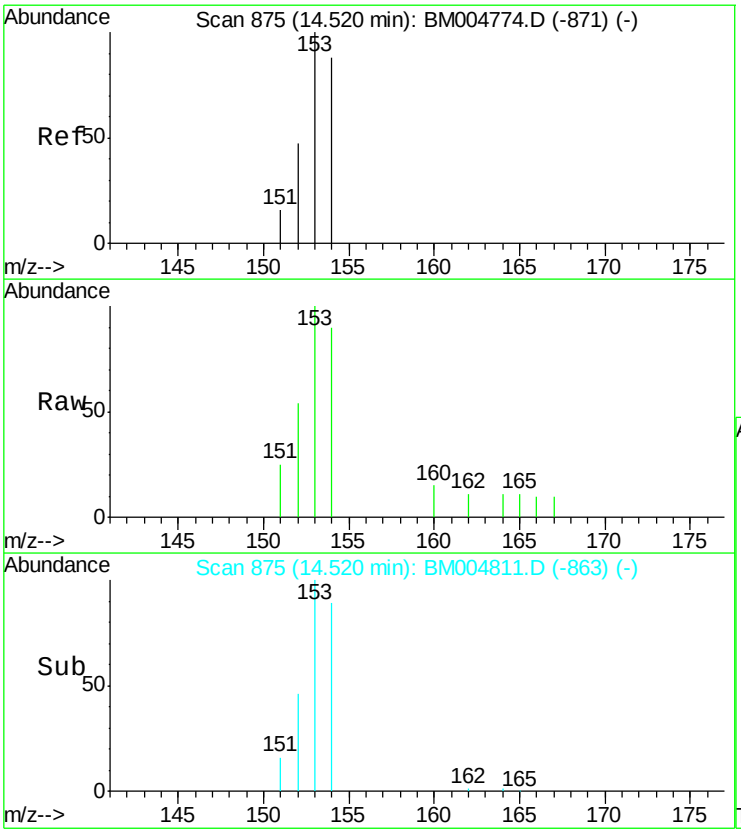
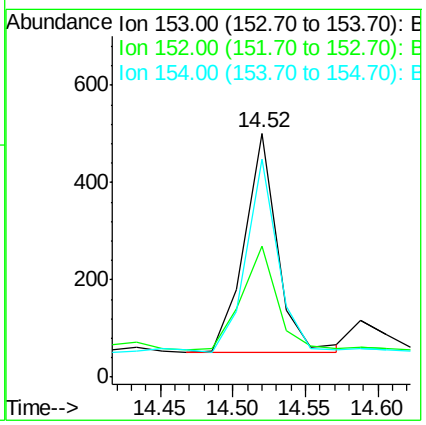
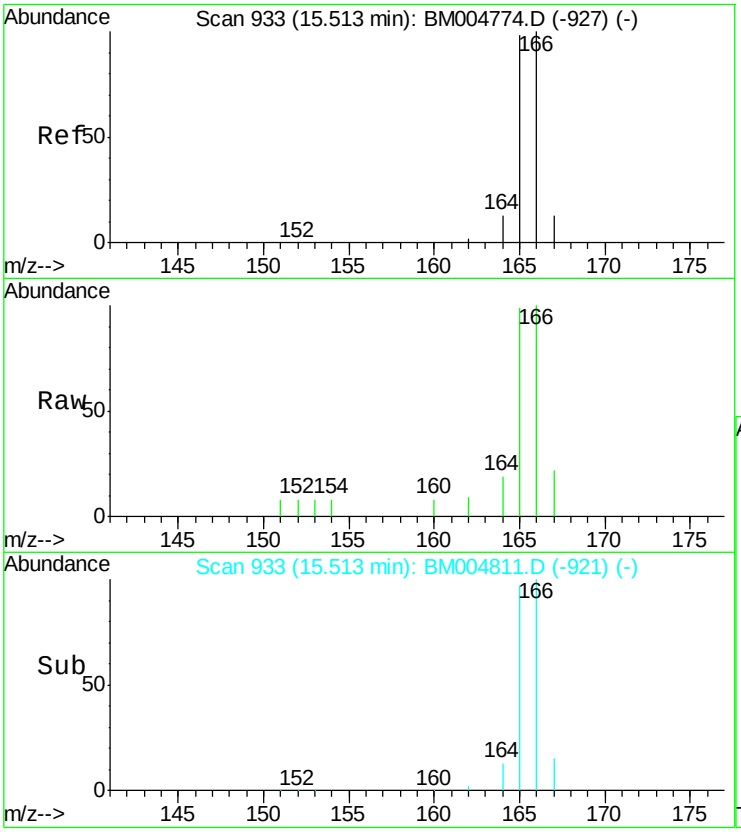


#10
Acenaphthene
Concen: 0.08 ng/ul
RT: 14.52 min Scan# 875
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:153 Resp: 708

Ion	Ratio	Lower	Upper
153	100		
152	53.7	33.9	50.9#
154	89.6	80.6	121.0

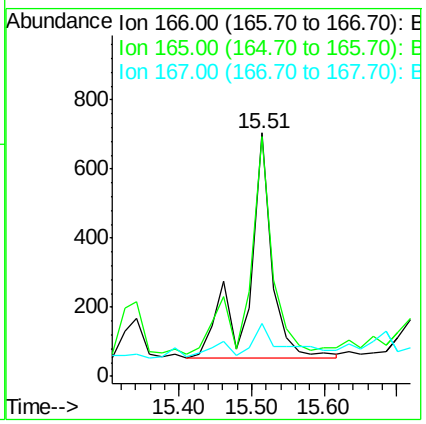




#11
Fluorene
Concen: 0.13 ng/ul
RT: 15.51 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:166 Resp: 1479

Ion	Ratio	Lower	Upper
166	100		
165	98.6	69.6	104.4
167	21.8	11.9	17.9#



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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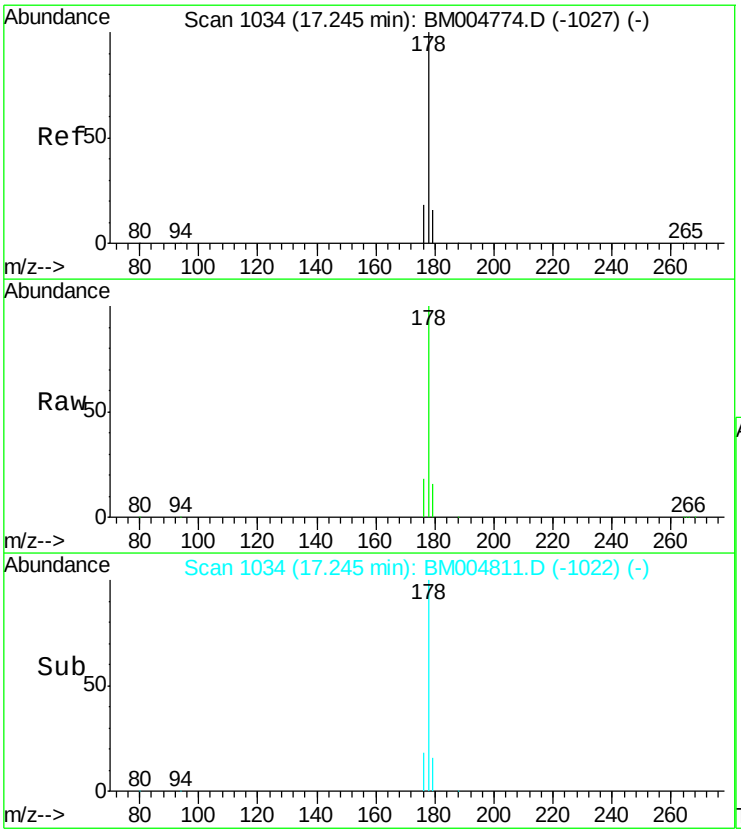
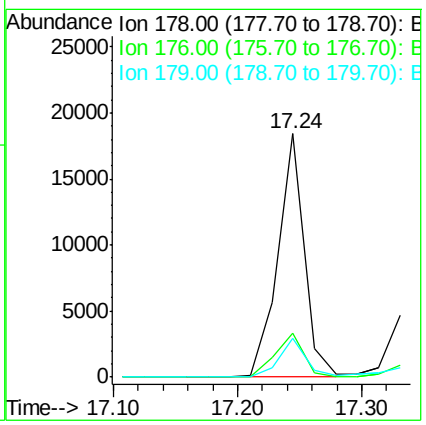
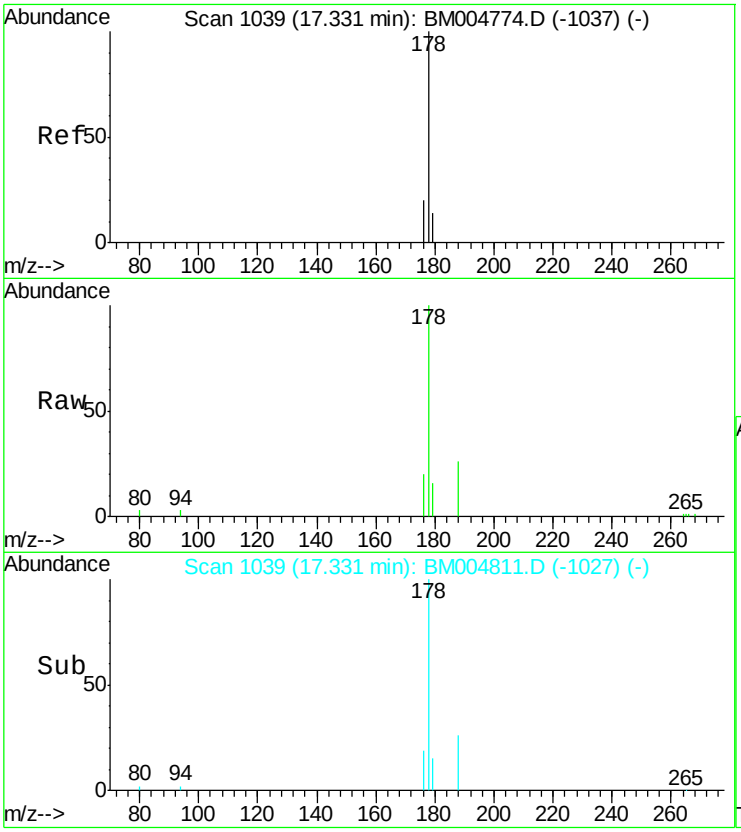


#14
Phenanthrene
Concen: 1.52 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:178 Resp: 27085

Ion	Ratio	Lower	Upper
178	100		
176	18.1	13.0	19.4
179	15.9	14.2	21.2

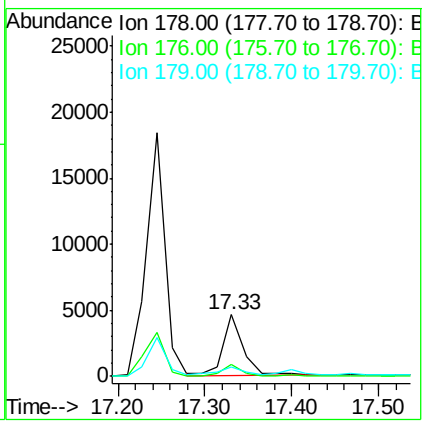




#15
Anthracene
Concen: 0.43 ng/ul
RT: 17.33 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:178 Resp: 7289

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.0	21.0
179	15.9	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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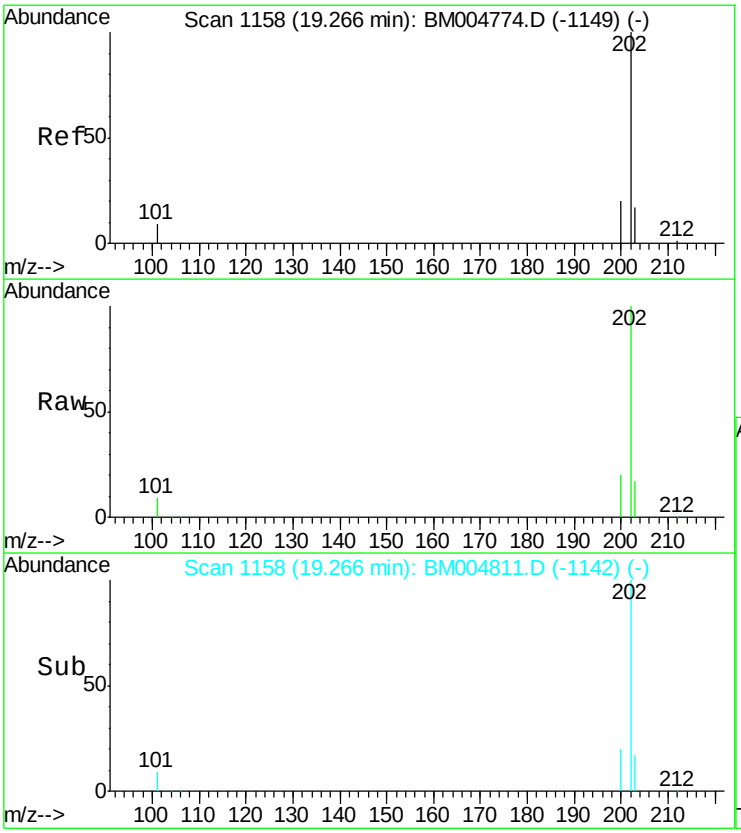
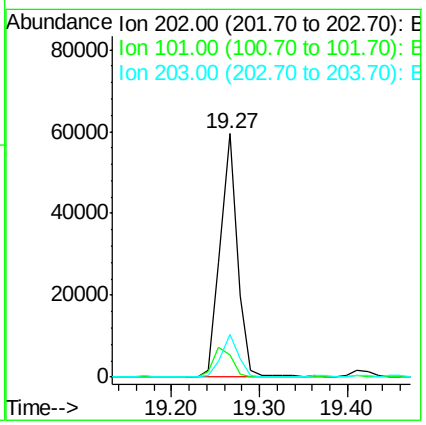
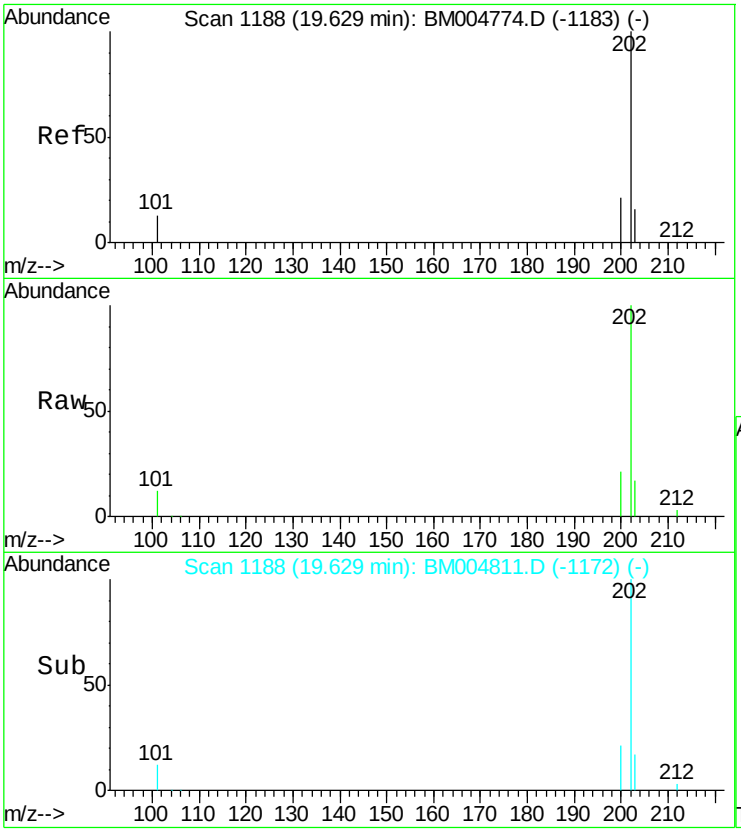


#17
Fluoranthene
Concen: 4.01 ng/ul
RT: 19.27 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:202 Resp: 81161

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.6
203	17.3	0.0	36.3

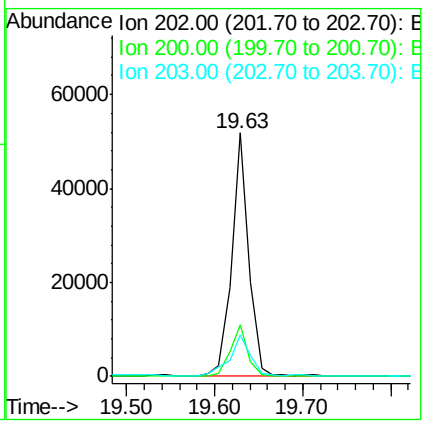




#19
Pyrene
Concen: 3.06 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:202 Resp: 69492

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.8
203	17.2	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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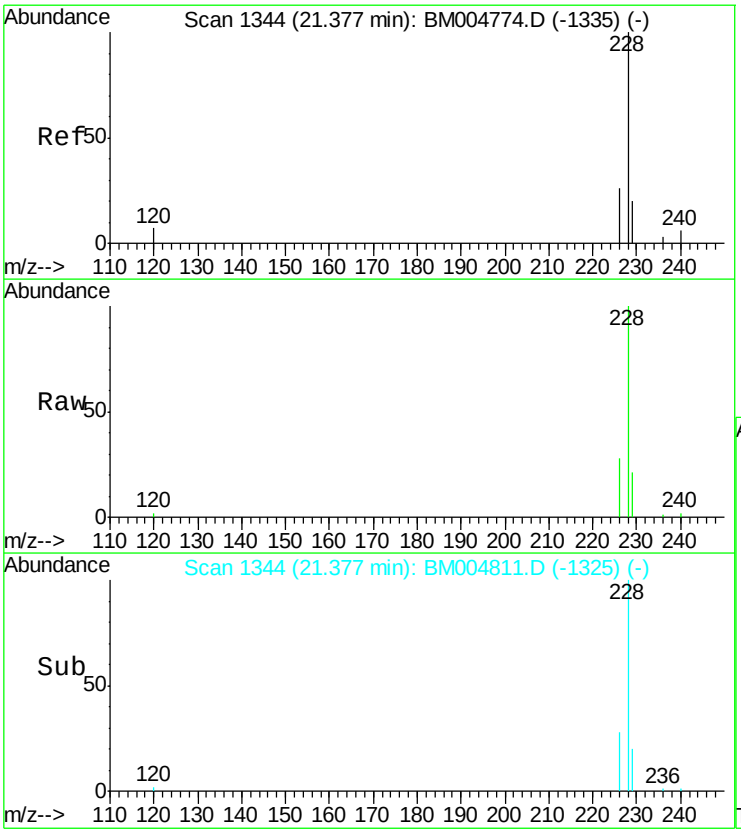
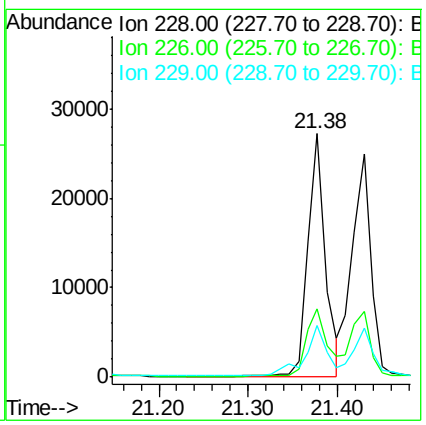
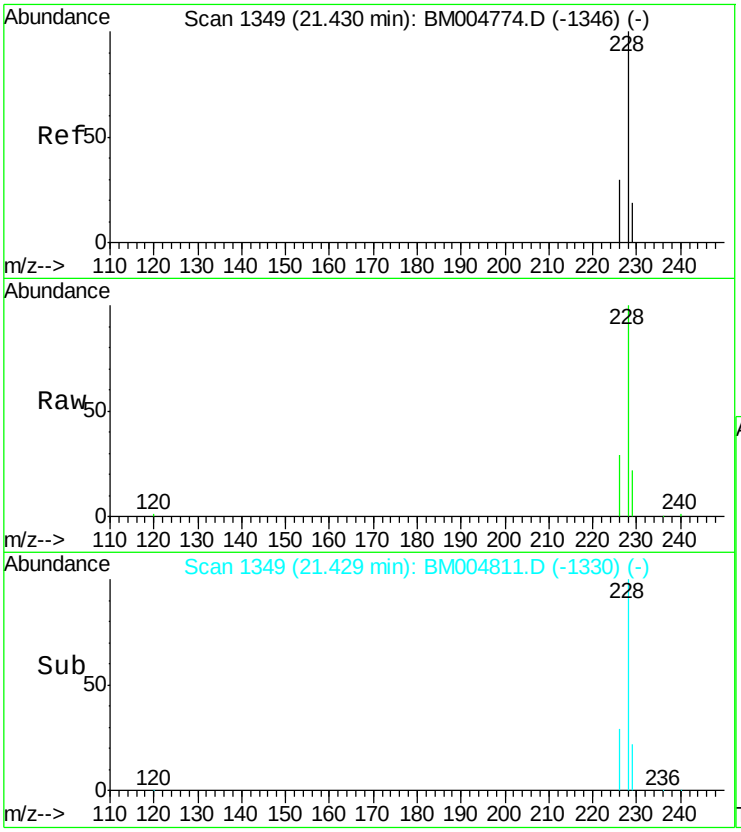


#20
Benzo(a)anthracene
Concen: 1.80 ng/ul
RT: 21.38 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:228 Resp: 36728

Ion	Ratio	Lower	Upper
228	100		
226	28.1	18.8	28.2
229	21.1	17.1	25.7

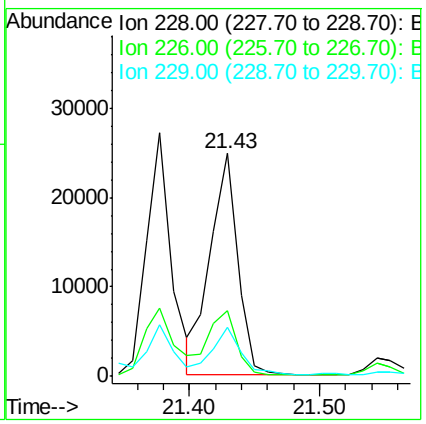




#21
Chrysene
Concen: 1.84 ng/ul
RT: 21.43 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:228 Resp: 36251

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.2	31.8
229	22.2	17.0	25.6



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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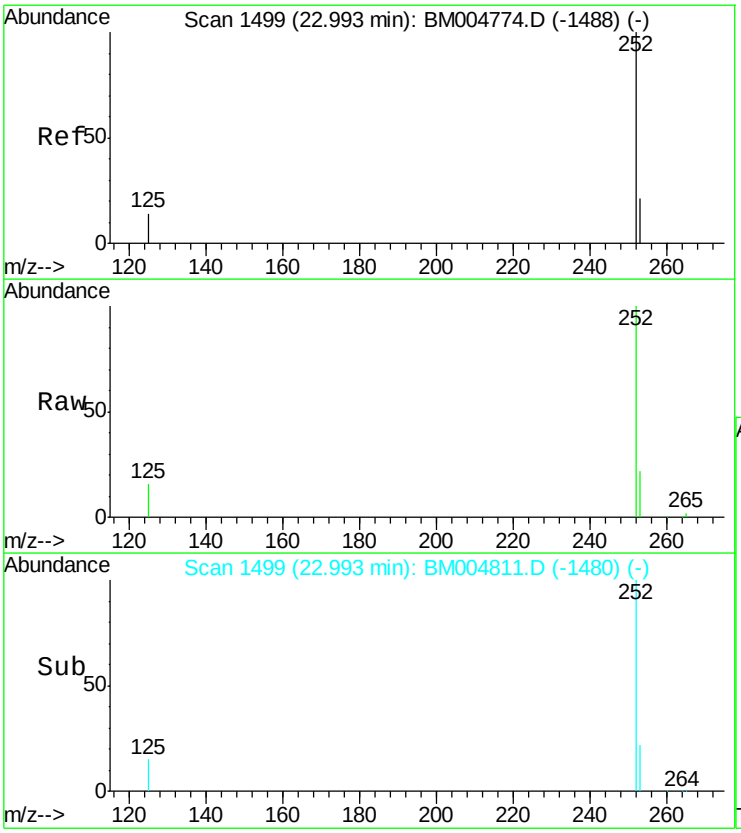
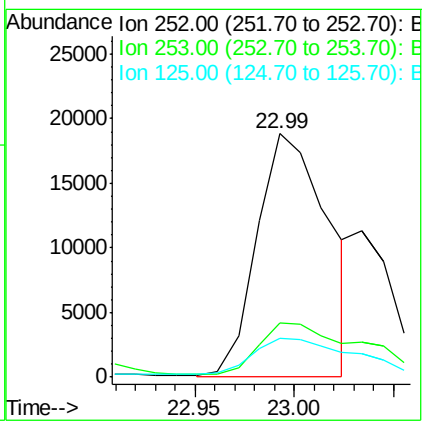
4/6/2016 5:05:07 PM

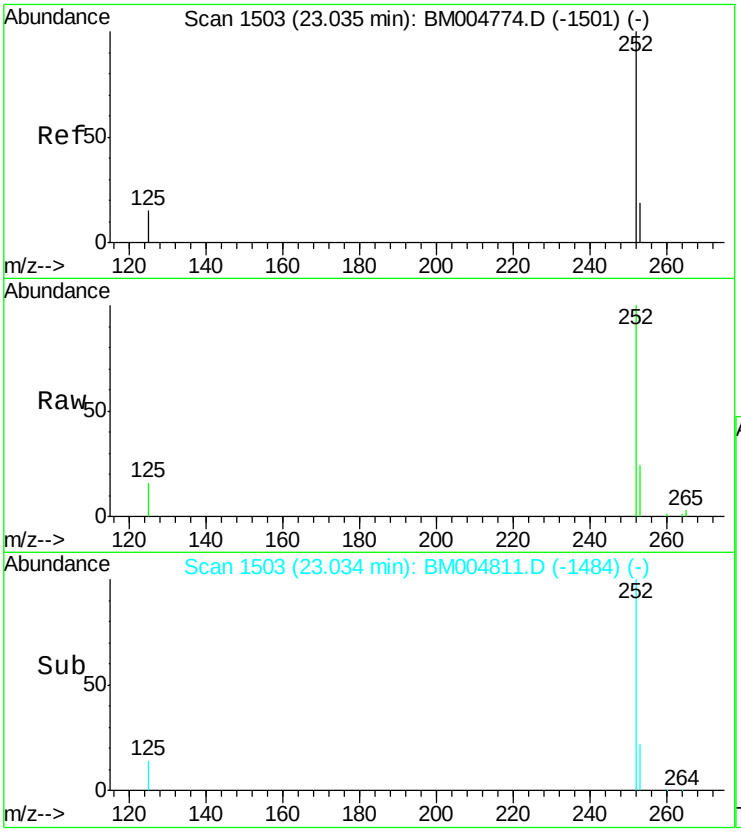


#23
Benzo(b)fluoranthene
Concen: 2.49 ng/ul m
RT: 22.99 min Scan# 1499
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:252 Resp: 47427

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	45.4
125	16.1	0.0	28.8





#24
Benzo(k)fluoranthene
Concen: 0.91 ng/ul m
RT: 23.03 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:252 Resp: 16103

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.8	29.8
125	16.1	10.4	15.6#

Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
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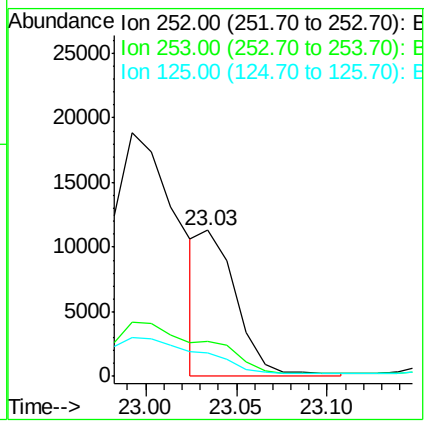
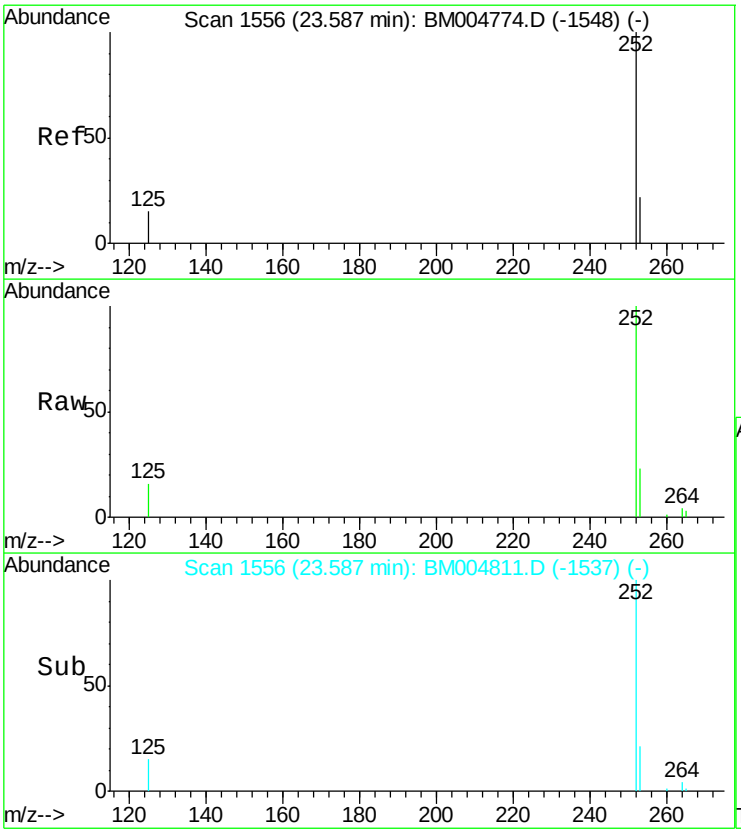
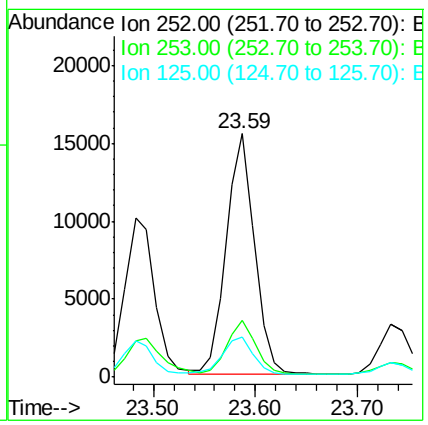


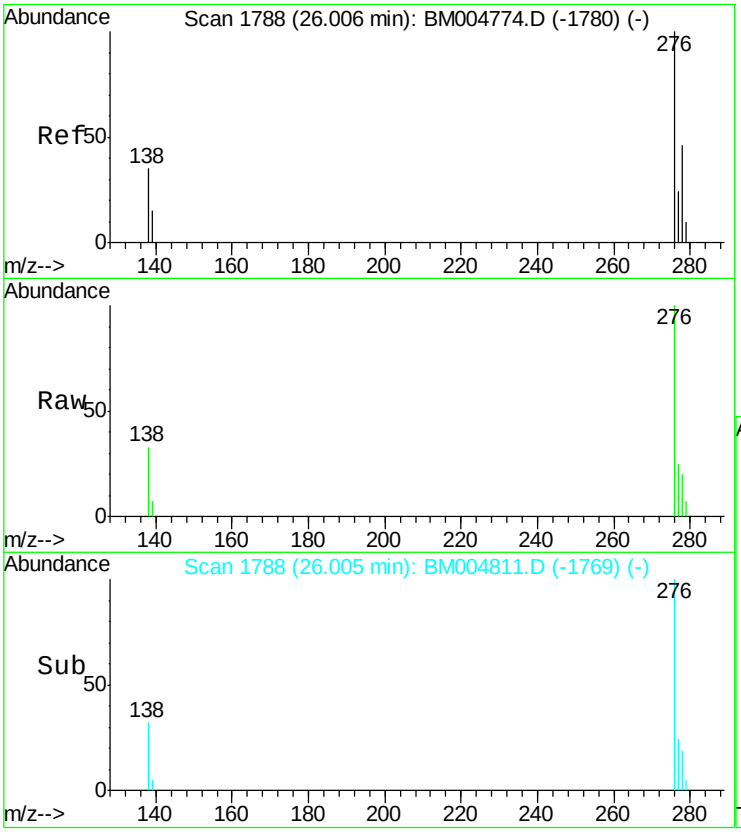


#25
Benzo(a)pyrene
Concen: 1.70 ng/ul
RT: 23.59 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:252 Resp: 29645

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.4	29.2
125	16.4	12.7	19.1





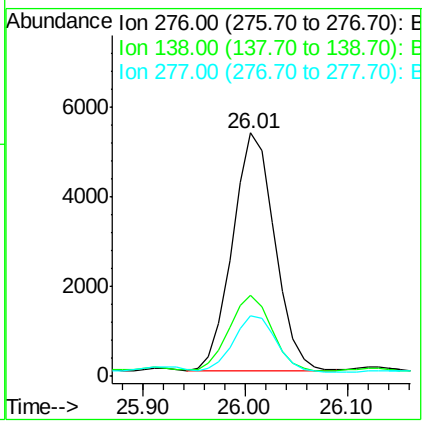
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.94 ng/ul
RT: 26.01 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

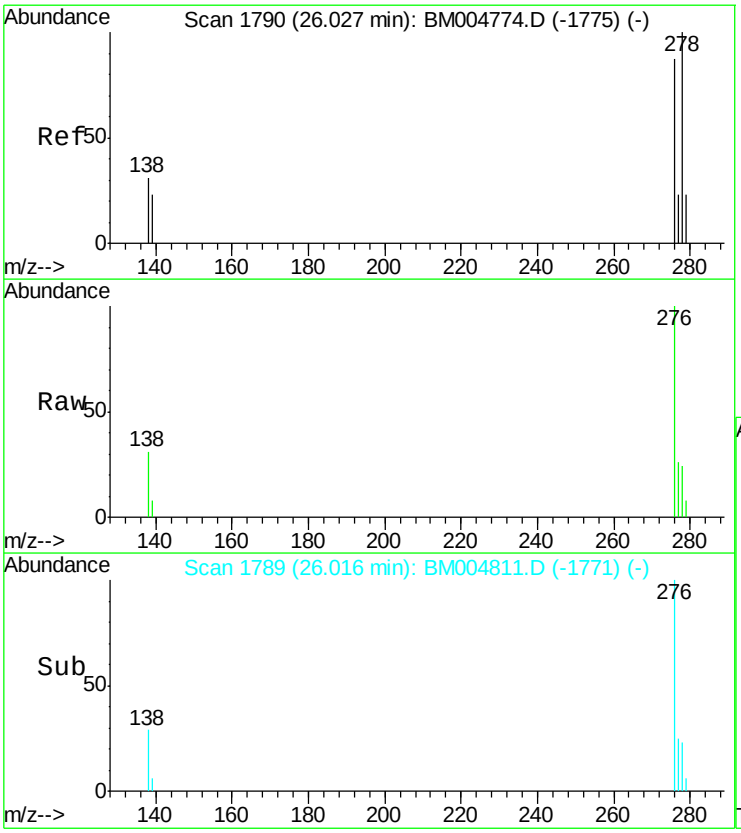
Tgt Ion:276 Resp: 15228

Ion	Ratio	Lower	Upper
276	100		
138	32.2	16.3	24.5#
277	24.3	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
Sohil
4/6/2016 5:05:07 PM

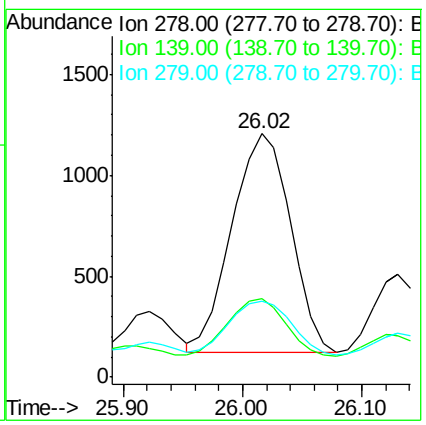


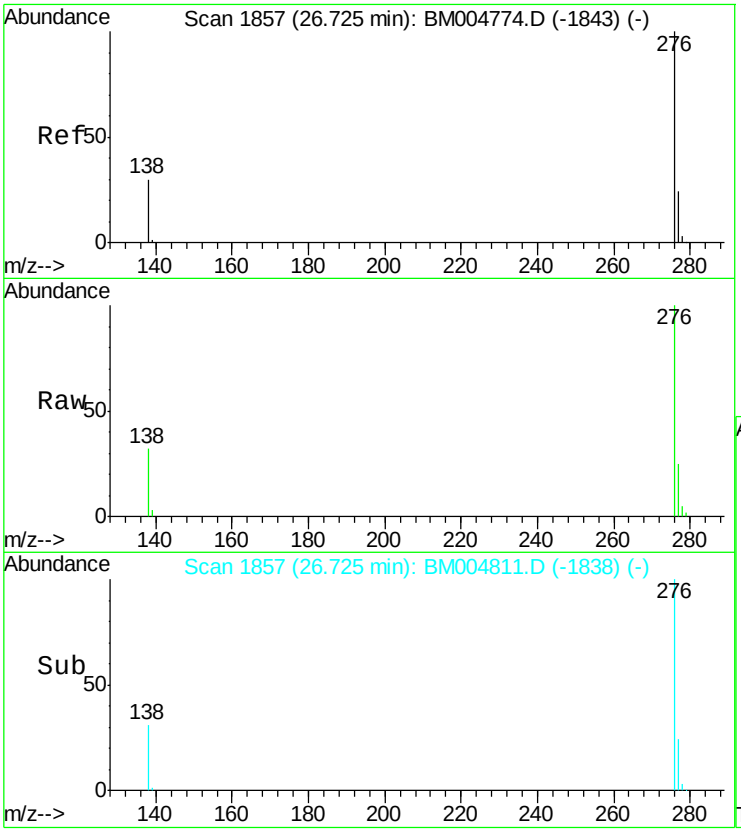


#27
Dibenzo(a,h)anthracene
Concen: 0.29 ng/ul
RT: 26.02 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:278 Resp: 3702

Ion	Ratio	Lower	Upper
278	100		
139	32.3	16.4	24.6#
279	31.3	20.2	30.2#

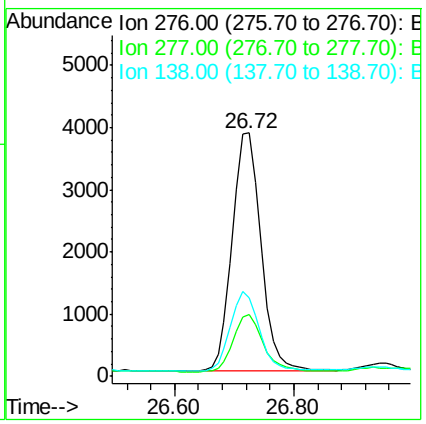




#28
Benzo(g,h,i)perylene
Concen: 0.96 ng/ul
RT: 26.72 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM004811.D
Acq: 28 Mar 2016 19:16

Tgt Ion:276 Resp: 12885

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.9	28.3
138	32.4	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
A4T41DL

Manual Integrations APPROVED
Sohil
4/6/2016 5:05:07 PM