Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003588.D
Acq On : 16 Dec 2015 21:30
Operator : UM/IZ
Sample : G4767-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N34

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:12 PM

Quant Time: Dec 17 07:57:05 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4997	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	20058	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.35	164	50241	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.12	188	20271	0.40	ng/ul	0.02
18) Chrysene-d12	21.31	240	24905	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	17959	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	11571	5.42	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	4197	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.04	212	93637m	2.18	ng/ul	-0.11
Target Compounds						Qvalue
5) Naphthalene	10.58	128	23282047	515.23	ng/ul#	87
7) 2-Methylnaphthalene	12.18	142	9723734	320.54	ng/ul	96
9) Acenaphthylene	14.07	152	784151	4.09	ng/ul#	90
10) Acenaphthene	14.43	153	11781369	76.16	ng/ul#	83
11) Fluorene	15.43	166	10231545	59.67	ng/ul#	82
14) Phenanthrene	17.19	178	26293601	502.90	ng/ul#	87
15) Anthracene	17.24	178	4148148	91.71	ng/ul#	94
17) Fluoranthene	19.19	202	16409942	289.02	ng/ul	88
19) Pyrene	19.56	202	12321273	183.26	ng/ul#	89
20) Benzo(a)anthracene	21.29	228	3616345	59.47	ng/ul#	93
21) Chrysene	21.35	228	3058604m	43.90	ng/ul	
23) Benzo(b)fluoranthene	22.88	252	1910679m	31.17	ng/ul	
24) Benzo(k)fluoranthene	22.92	252	561288m	10.10	ng/ul	
25) Benzo(a)pyrene	23.45	252	1030240	19.93	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	25.82	276	295953	4.94	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.83	278	90268	1.87	ng/ul	97
28) Benzo(g,h,i)perylene	26.52	276	225847	4.33	ng/ul	96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003588.D
Acq On : 16 Dec 2015 21:30
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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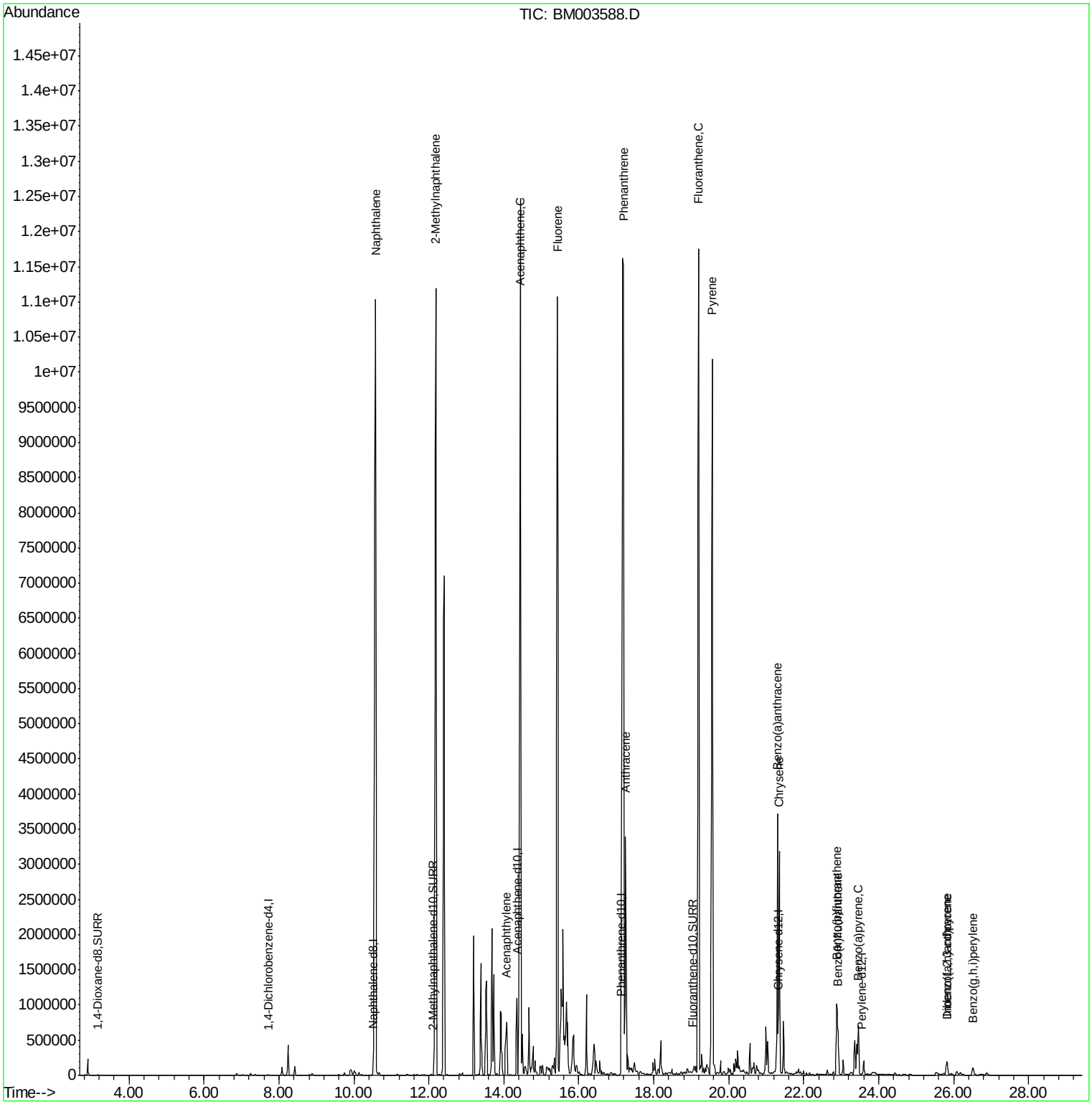
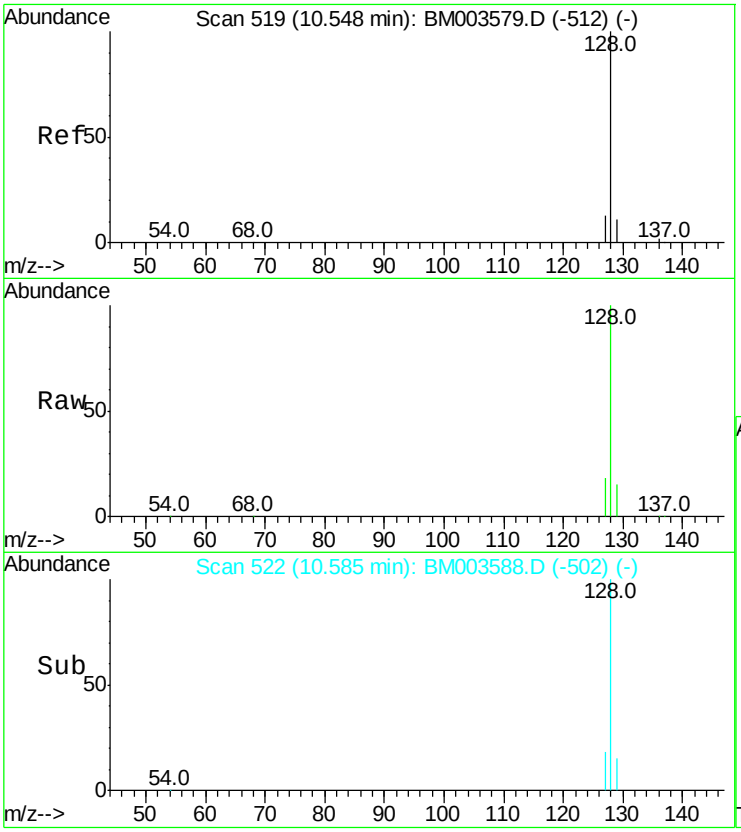
12/17/2015 5:36:12 PM

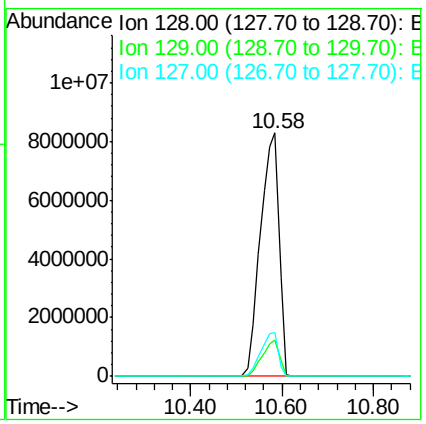




#5
Naphthalene
Concen: 515.23 ng/ul
RT: 10.58 min Scan# 522
Delta R.T. 0.04 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:128 Resp:23282047

Ion	Ratio	Lower	Upper
128	100		
129	14.9	9.0	13.6#
127	18.1	9.6	14.4#



Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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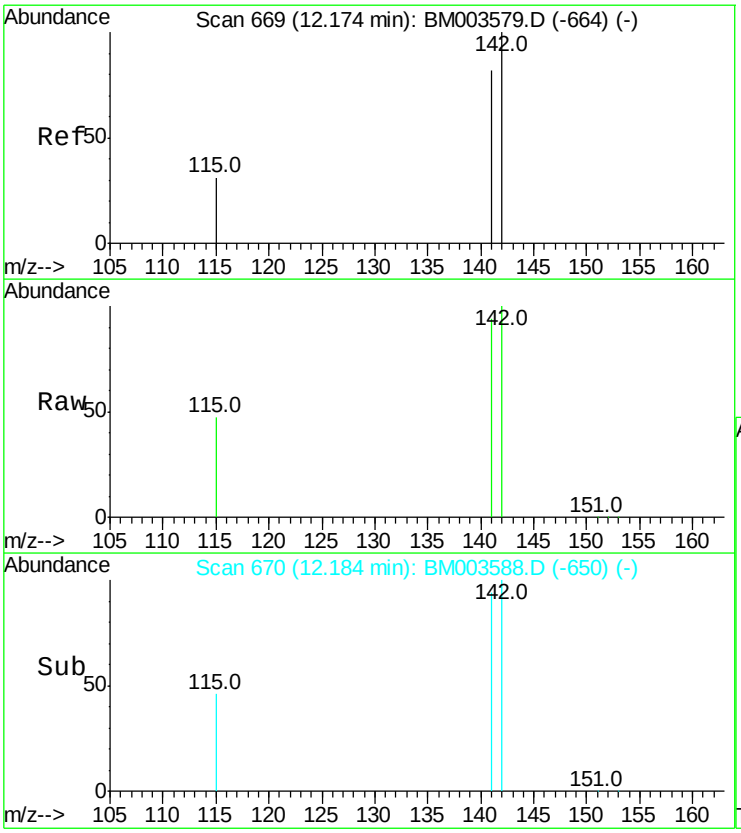
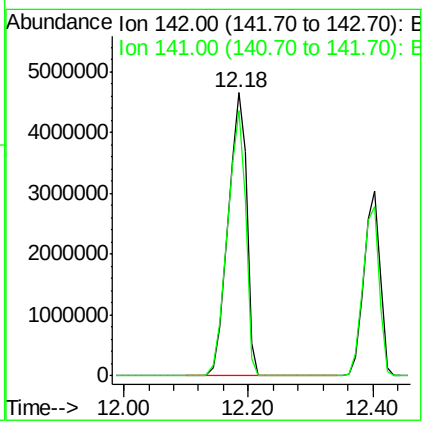
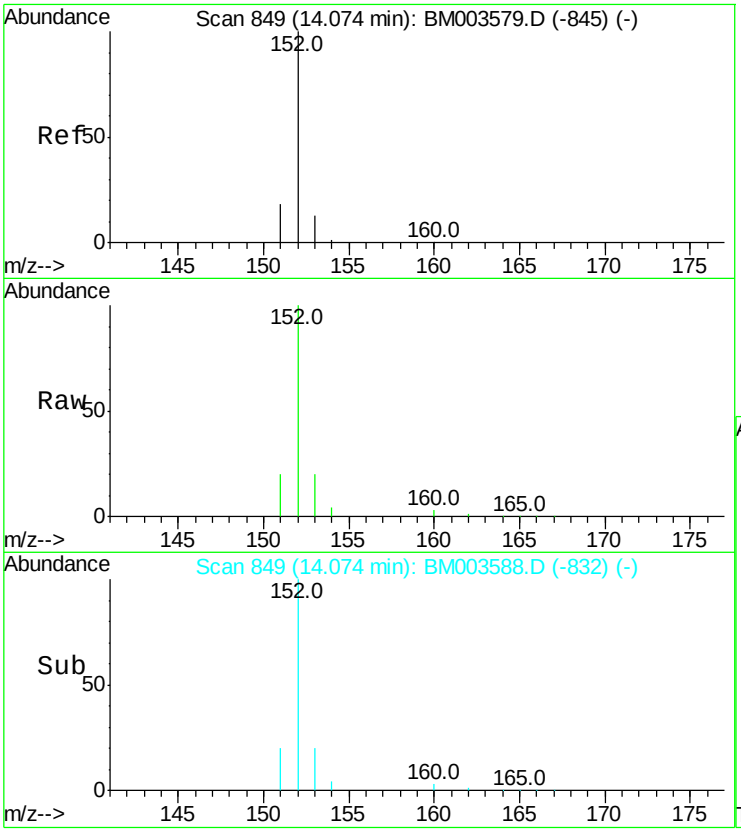


#7
2-Methylnaphthalene
Concen: 320.54 ng/ul
RT: 12.18 min Scan# 670
Delta R.T. 0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:142 Resp: 9723734

Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.3	105.5

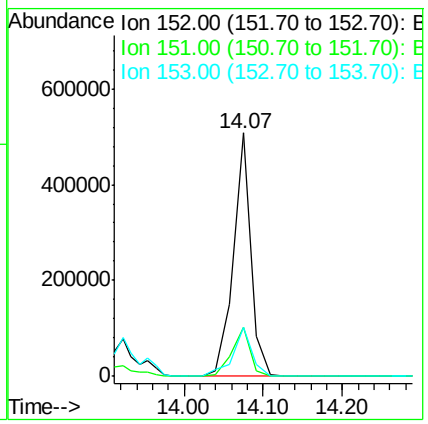




#9
Acenaphthylene
Concen: 4.09 ng/ul
RT: 14.07 min Scan# 849
Delta R.T. 0.00 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:152 Resp: 784151

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.6	26.4
153	20.3	9.7	14.5#



Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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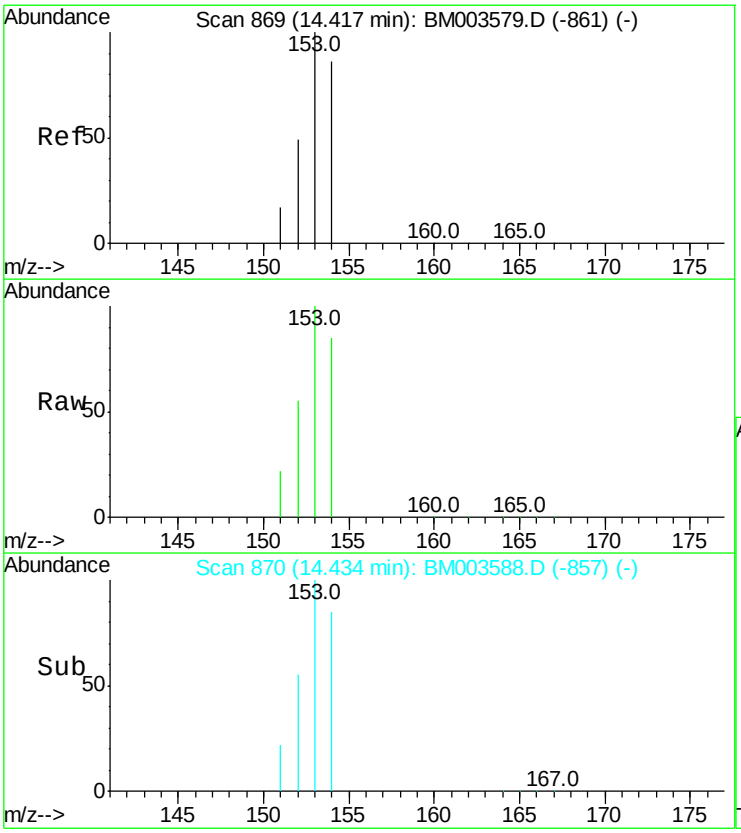
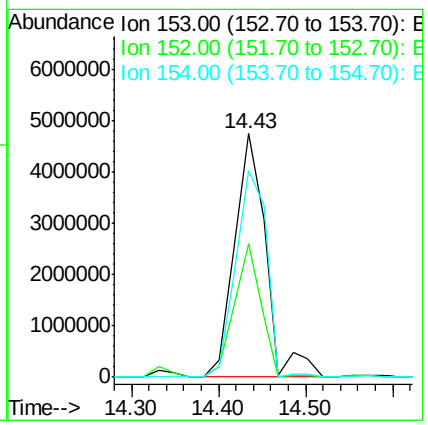
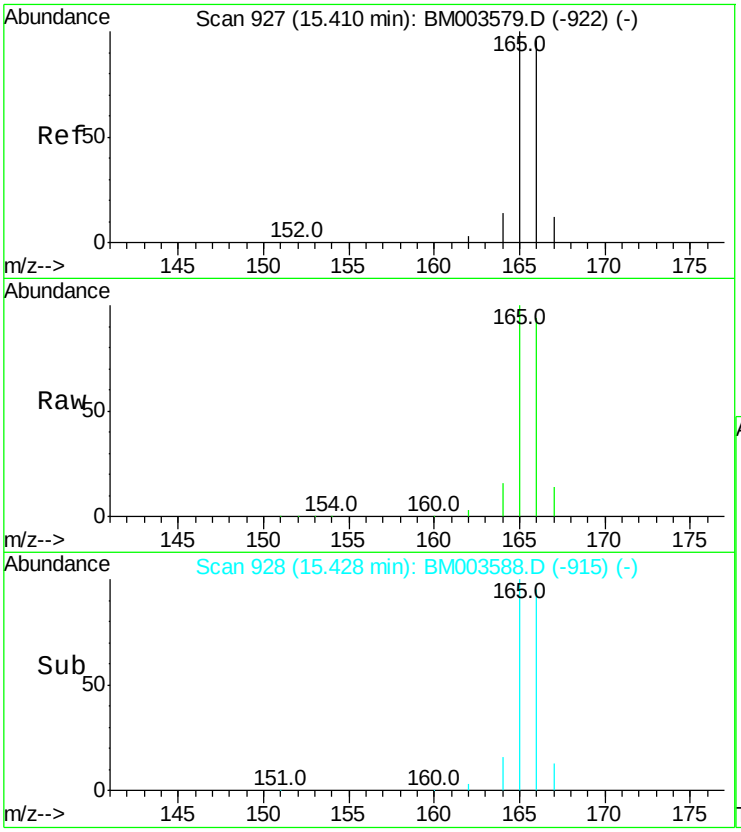


#10
Acenaphthene
Concen: 76.16 ng/ul
RT: 14.43 min Scan# 870
Delta R.T. 0.02 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:153 Resp:11781369

Ion	Ratio	Lower	Upper
153	100		
152	54.8	33.9	50.9#
154	84.6	80.6	121.0

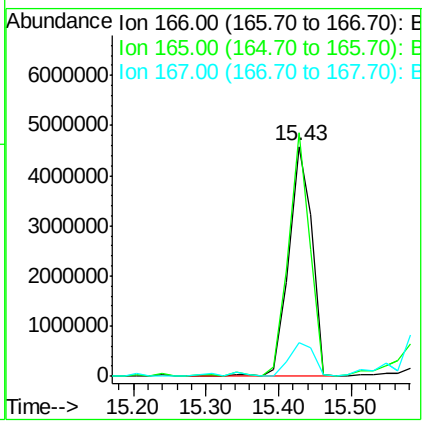




#11
Fluorene
Concen: 59.67 ng/ul
RT: 15.43 min Scan# 928
Delta R.T. 0.02 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:166 Resp:10231545

Ion	Ratio	Lower	Upper
166	100		
165	106.0	69.6	104.4#
167	14.7	11.9	17.9



Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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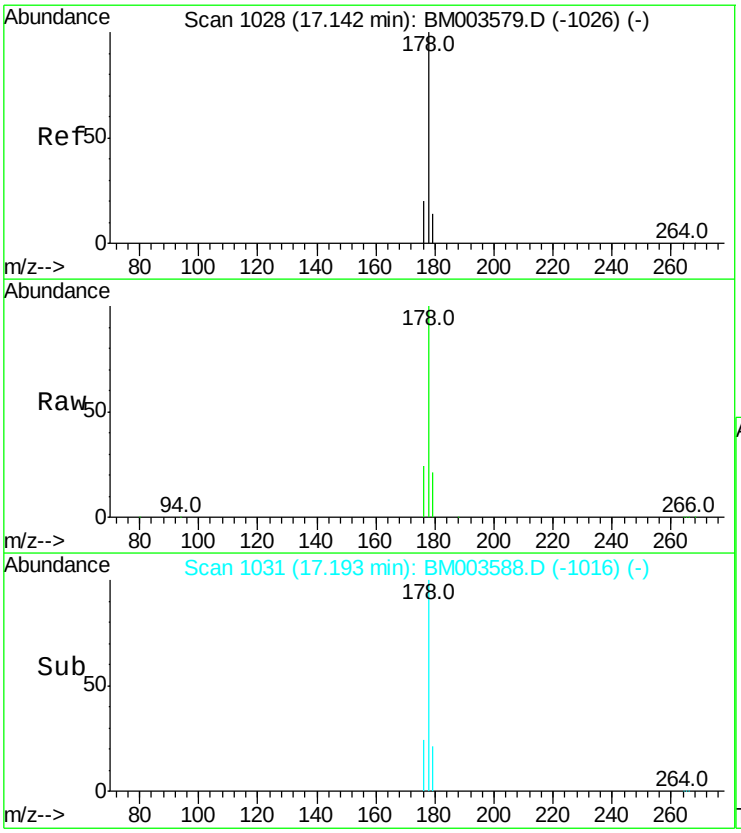
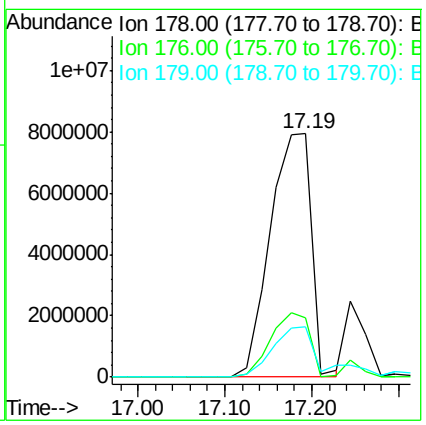
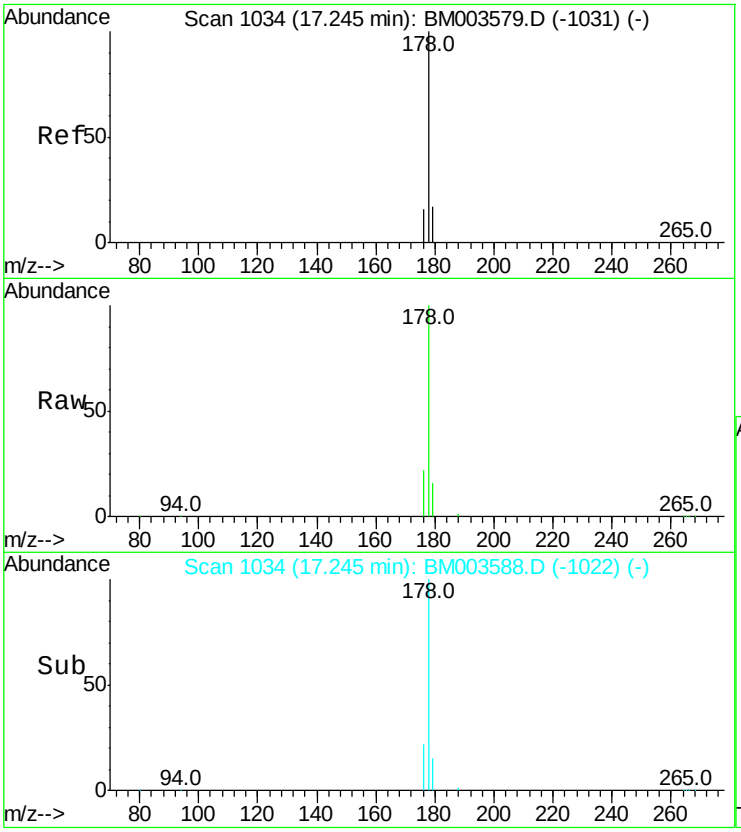


#14
Phenanthrene
Concen: 502.90 ng/ul
RT: 17.19 min Scan# 1031
Delta R.T. 0.05 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:178 Resp:26293601

Ion	Ratio	Lower	Upper
178	100		
176	24.1	13.0	19.4#
179	20.8	14.2	21.2

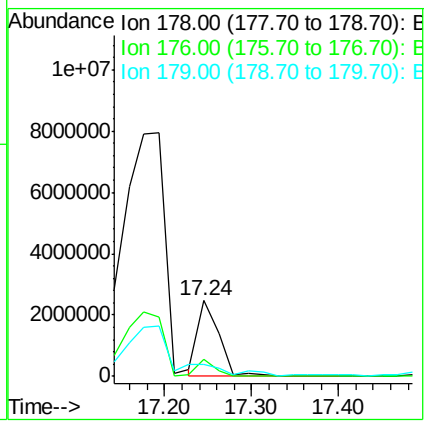




#15
Anthracene
Concen: 91.71 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:178 Resp: 4148148

Ion	Ratio	Lower	Upper
178	100		
176	22.0	14.0	21.0#
179	15.6	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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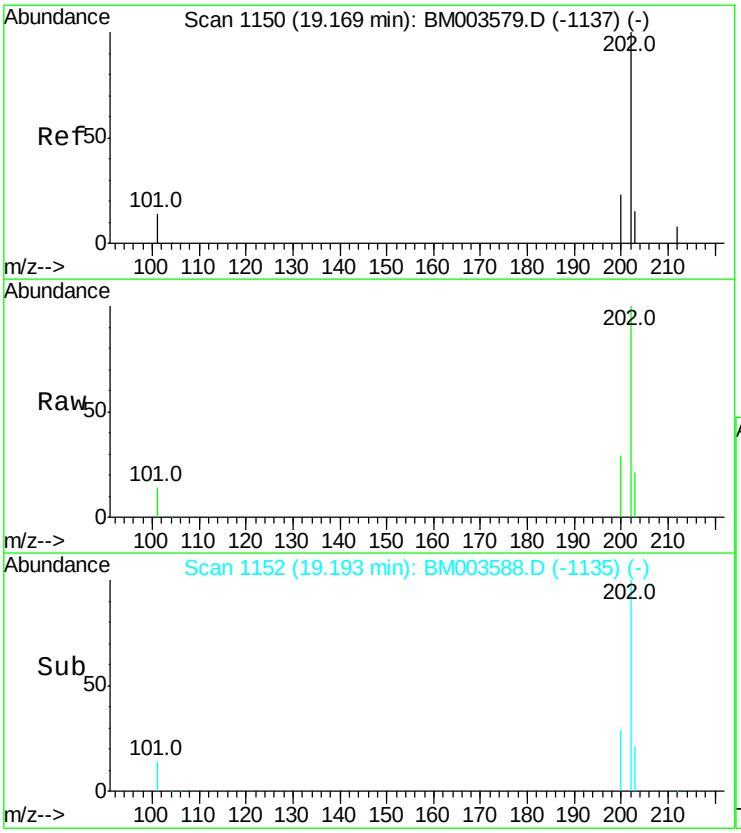
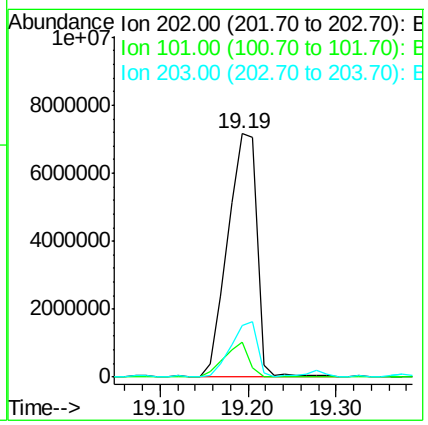
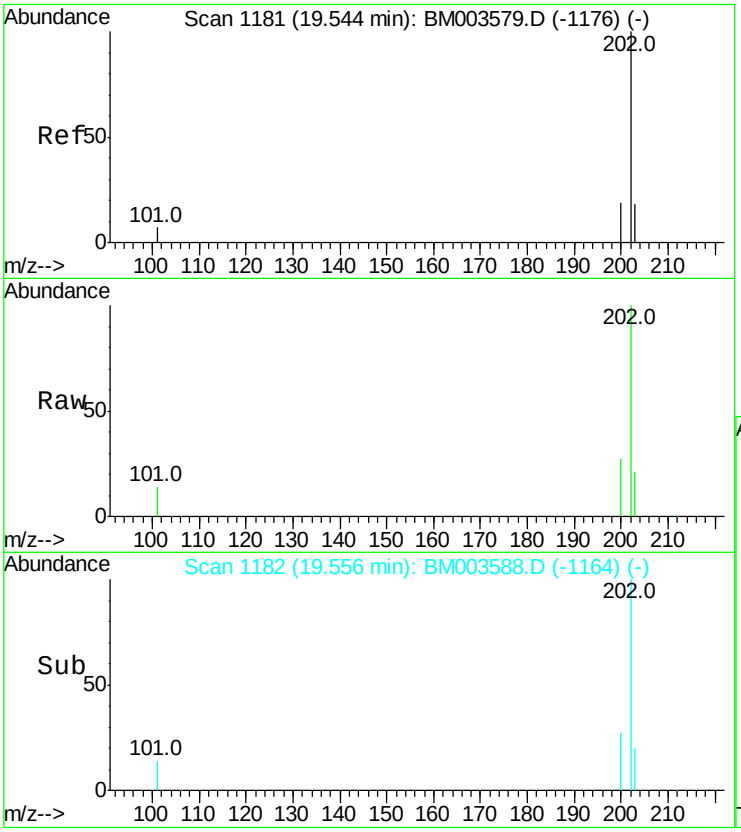


#17
Fluoranthene
Concen: 289.02 ng/ul
RT: 19.19 min Scan# 1152
Delta R.T. 0.02 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:202 Resp:16409942

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	29.6
203	21.2	0.0	36.3





#19
Pyrene
Concen: 183.26 ng/ul
RT: 19.56 min Scan# 1182
Delta R.T. 0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:202 Resp:12321273

Ion	Ratio	Lower	Upper
202	100		
200	27.2	17.8	26.8#
203	20.7	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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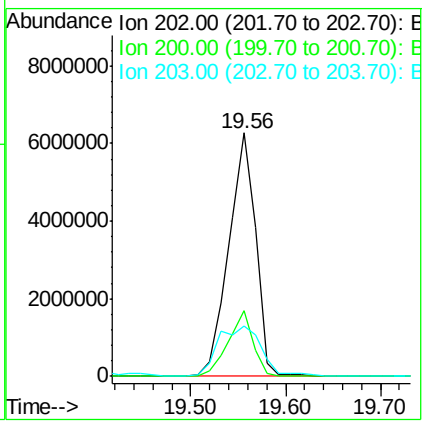
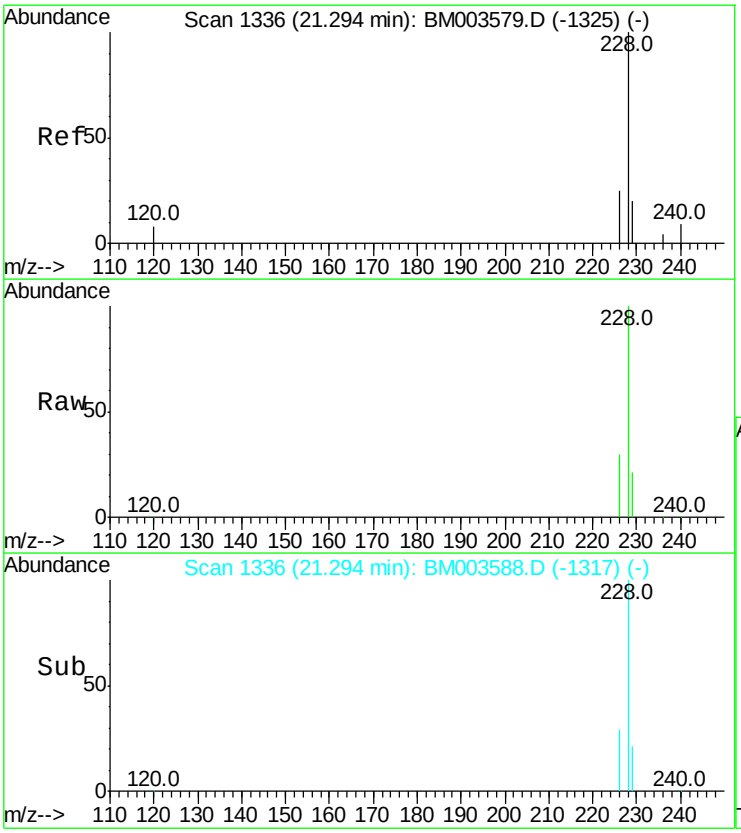
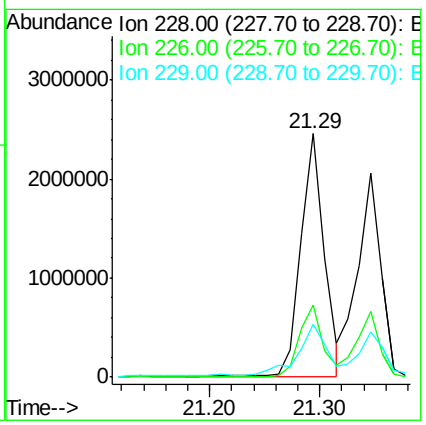


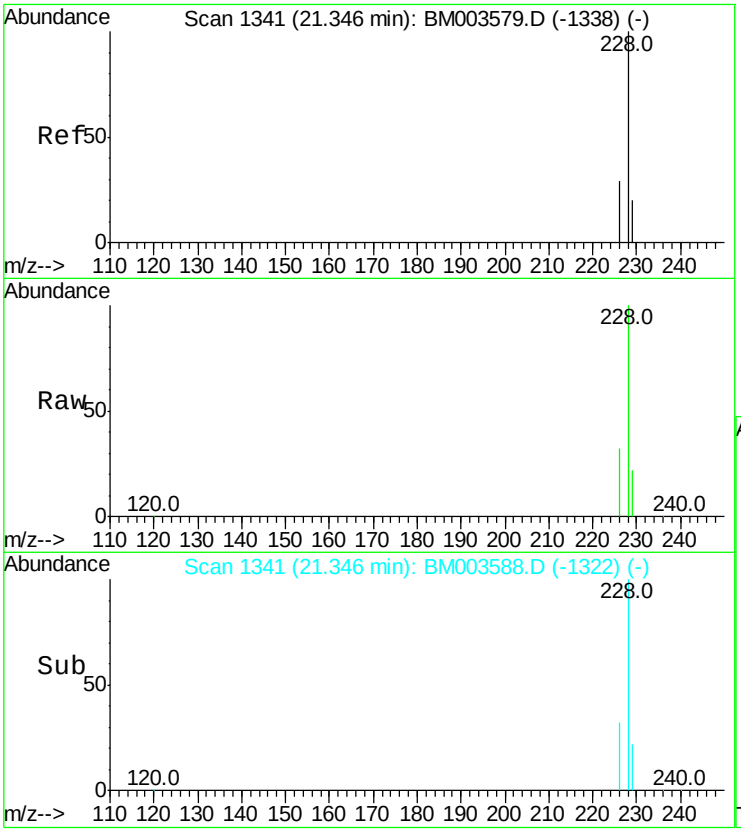


#20
Benzo(a)anthracene
Concen: 59.47 ng/ul
RT: 21.29 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:228 Resp: 3616345

Ion	Ratio	Lower	Upper
228	100		
226	29.6	18.8	28.2#
229	21.5	17.1	25.7





#21
Chrysene
Concen: 43.90 ng/ul m
RT: 21.35 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:228 Resp: 3058604

Ion	Ratio	Lower	Upper
228	100		
226	32.0	21.2	31.8#
229	22.3	17.0	25.6

Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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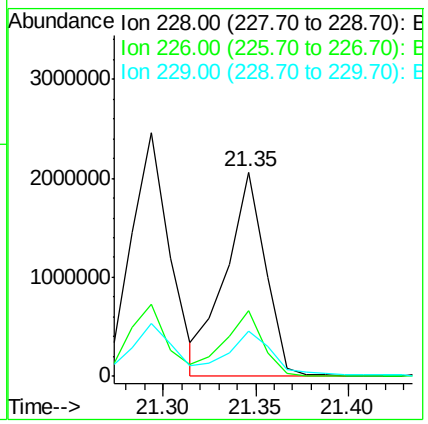
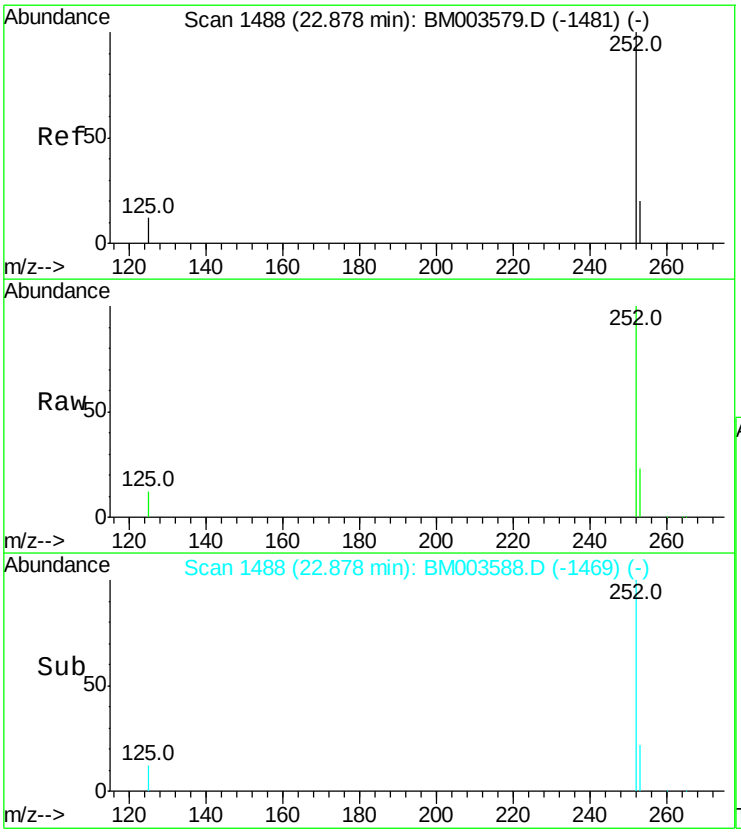
12/17/2015 5:36:12 PM

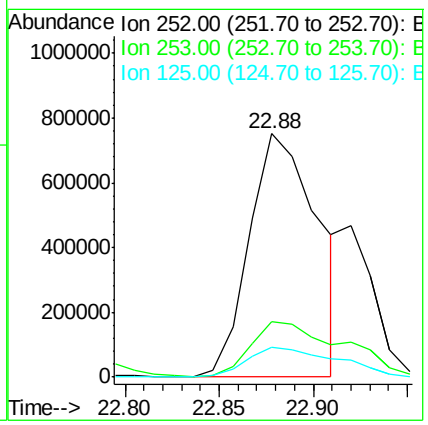


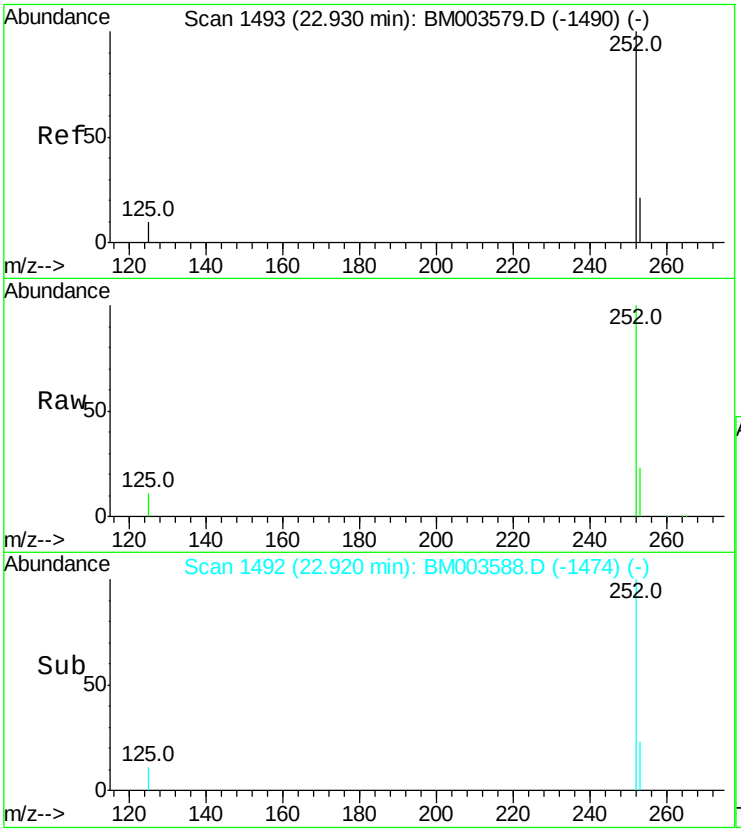


#23
Benzo(b)fluoranthene
Concen: 31.17 ng/ul m
RT: 22.88 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:252 Resp: 1910679

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	45.4
125	12.0	0.0	28.8

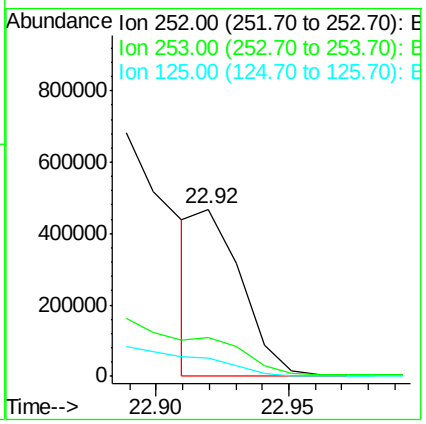




#24
Benzo(k)fluoranthene
Concen: 10.10 ng/ul m
RT: 22.92 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:252 Resp: 561288

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.8	29.8
125	11.3	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
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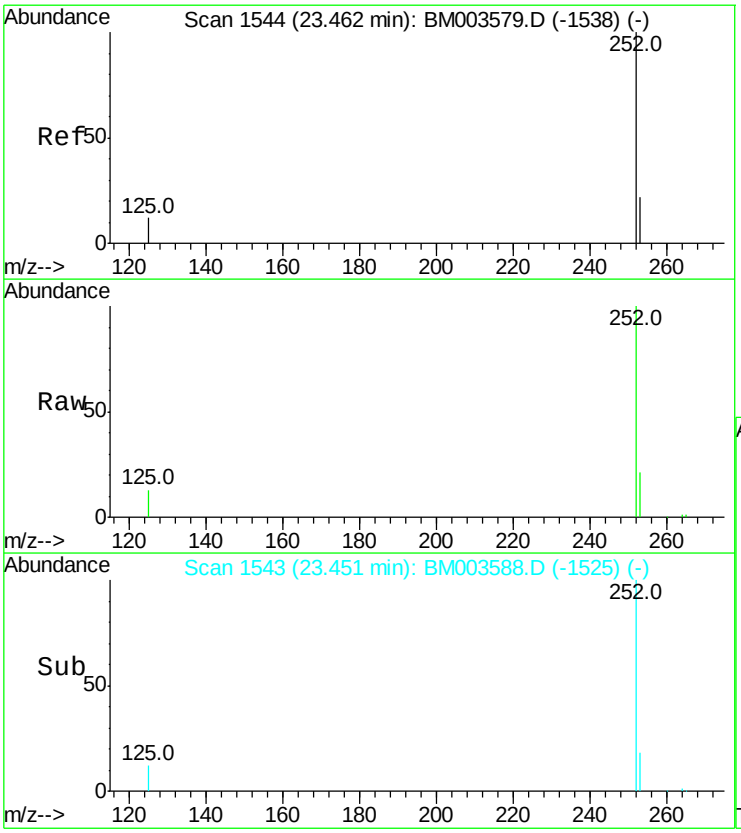
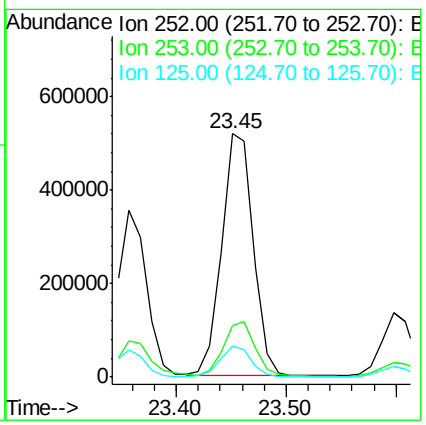
12/17/2015 5:36:12 PM

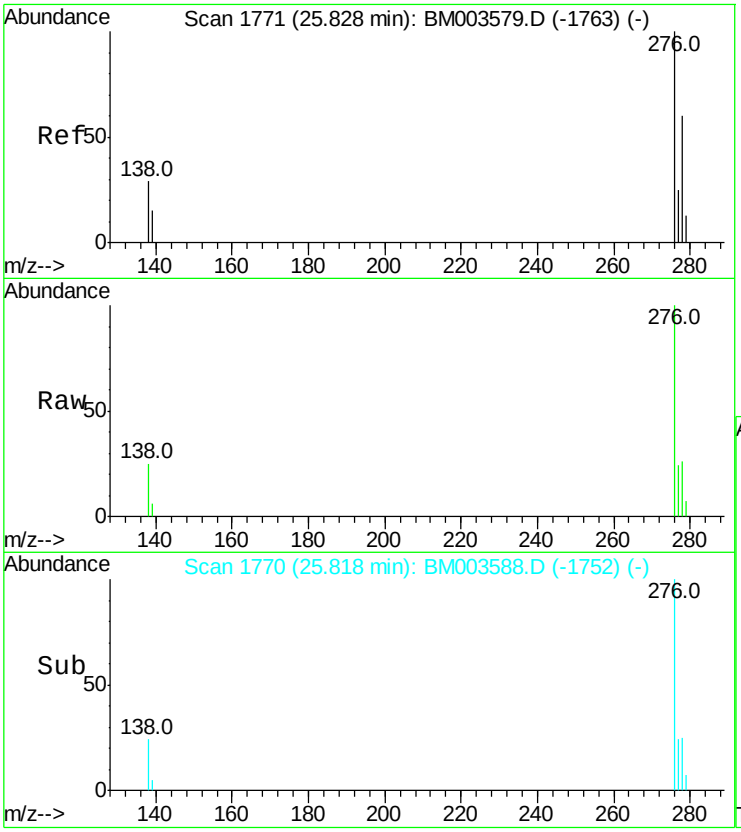


#25
Benzo(a)pyrene
Concen: 19.93 ng/ul
RT: 23.45 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:252 Resp: 1030240

Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.4	29.2
125	12.9	12.7	19.1





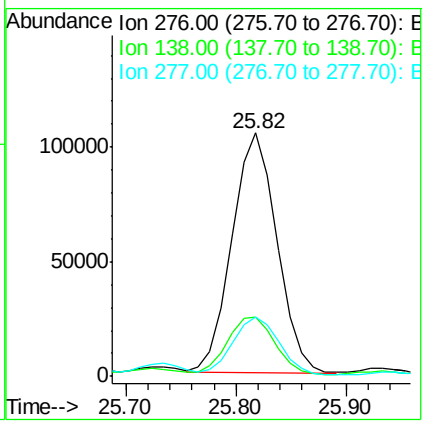
#26
Indeno(1,2,3-cd)pyrene
Concen: 4.94 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

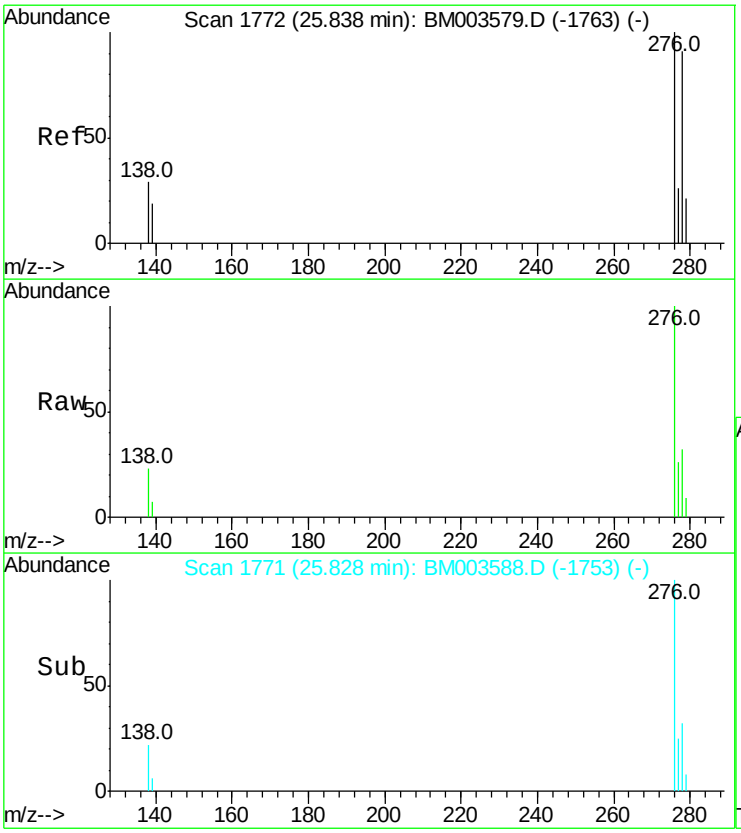
Tgt Ion:276 Resp: 295953

Ion	Ratio	Lower	Upper
276	100		
138	25.4	16.3	24.5#
277	24.6	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:12 PM

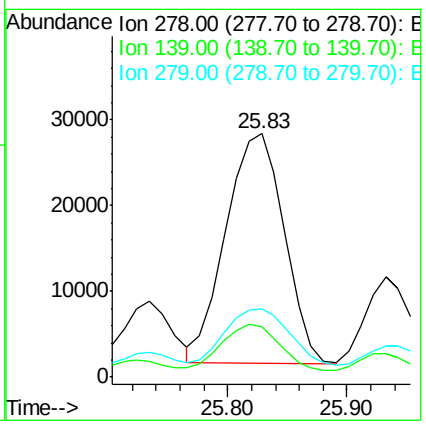


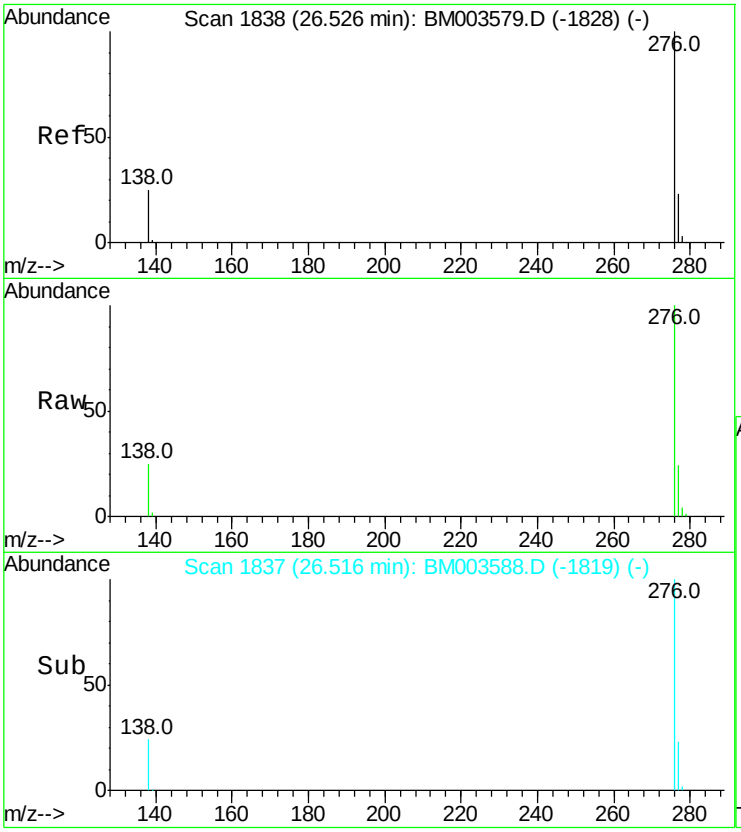


#27
Dibenzo(a,h)anthracene
Concen: 1.87 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:278 Resp: 90268

Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.4	24.6
279	27.8	20.2	30.2

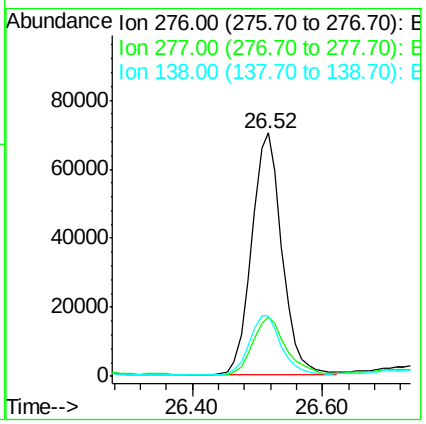




#28
Benzo(g,h,i)perylene
Concen: 4.33 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion:276 Resp: 225847

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	24.9	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
D9N34

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:12 PM