Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003271.D
Acq On : 22 Nov 2015 04:51
Operator : UM/IZ
Sample : G4345-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J57

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:41 PM

Quant Time: Nov 22 05:36:55 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13049	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	50953	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28160	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	59641m	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	63380	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	66390	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	54584	3.92	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	14670	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	31106	0.21	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.57	128	39688	0.30	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	21355	0.25	ng/ul#	100
9) Acenaphthylene	14.09	152	48248	0.41	ng/ul	98
10) Acenaphthene	14.43	153	61019	0.62	ng/ul#	76
11) Fluorene	15.44	166	70621	0.66	ng/ul	97
13) Pentachlorophenol	16.78	266	1632	0.12	ng/ul	96
14) Phenanthrene	17.16	178	1297129m	7.49	ng/ul	
15) Anthracene	17.26	178	260696	1.80	ng/ul	99
17) Fluoranthene	19.19	202	2322302	12.10	ng/ul	98
19) Pyrene	19.55	202	2096450	9.65	ng/ul	99
20) Benzo(a)anthracene	21.30	228	1097434	5.97	ng/ul#	89
21) Chrysene	21.35	228	1009192m	4.88	ng/ul	
23) Benzo(b)fluoranthene	22.91	252	1360050m	5.39	ng/ul	
24) Benzo(k)fluoranthene	22.94	252	482160m	2.02	ng/ul	
25) Benzo(a)pyrene	23.48	252	909666	4.05	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.86	276	623896	2.33	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.87	278	152137	0.70	ng/ul	95
28) Benzo(g,h,i)perylene	26.57	276	546888	2.33	ng/ul	96

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

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\BNA M\DATA\BM112115\
Data File : BM003271.D
Acq On : 22 Nov 2015 04:51
Operator : UM/IZ
Sample : G4345-15
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 22 05:36:55 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 04:42:03 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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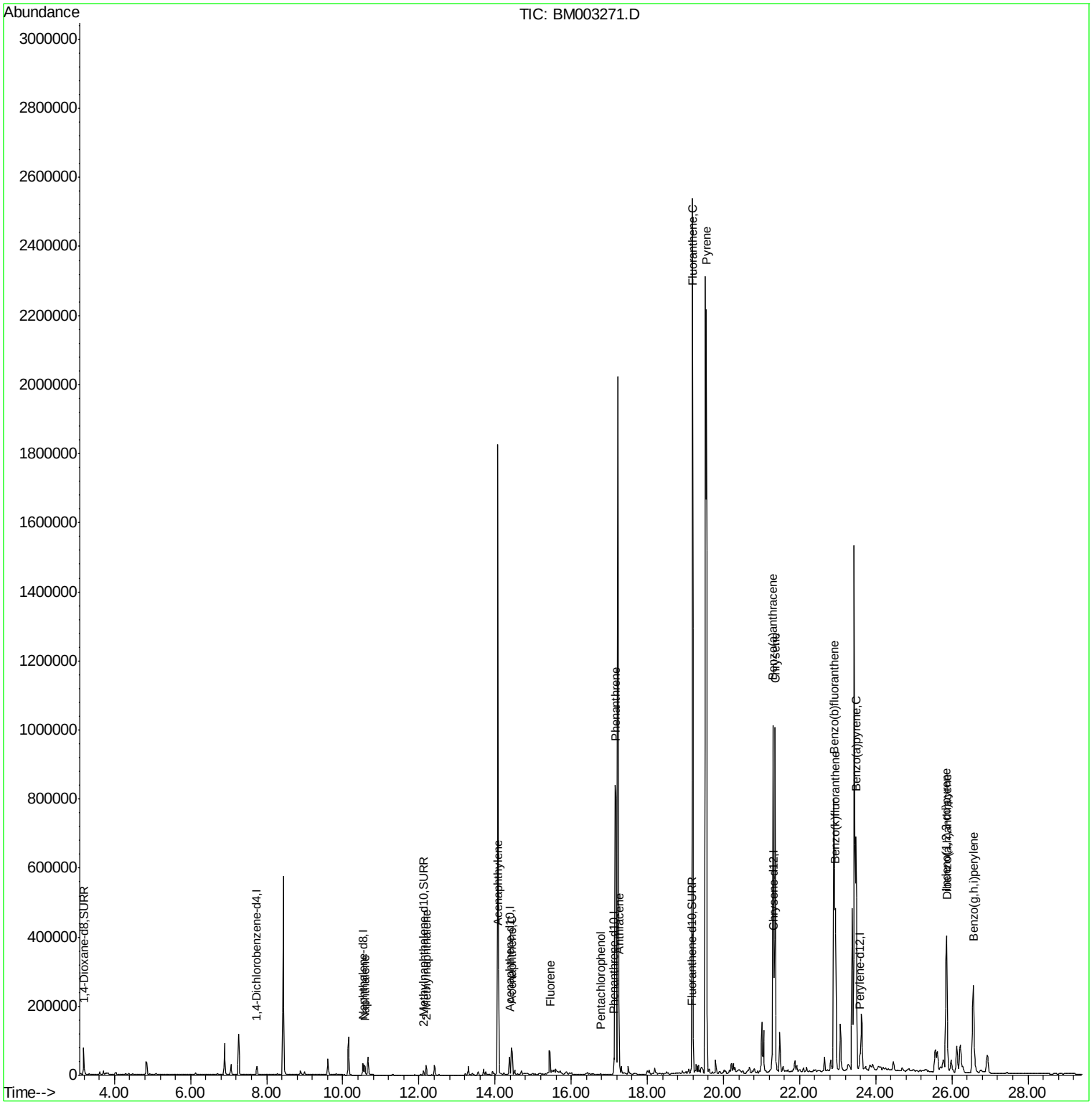
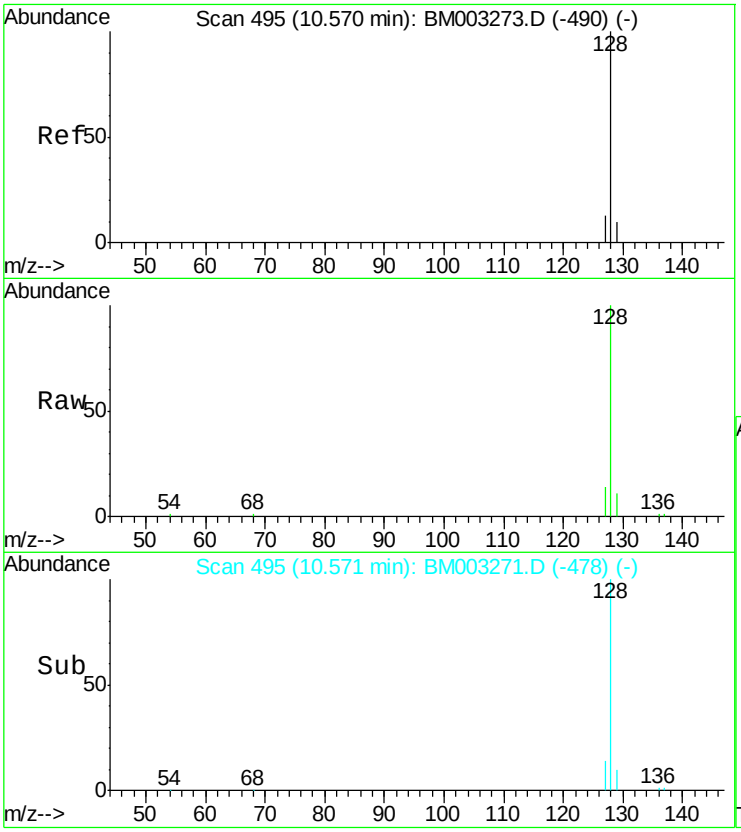
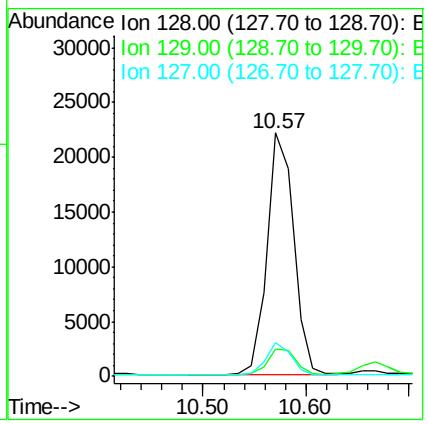




#5
Naphthalene
Concen: 0.30 ng/ul
RT: 10.57 min Scan# 495
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:128 Resp: 39688

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.9	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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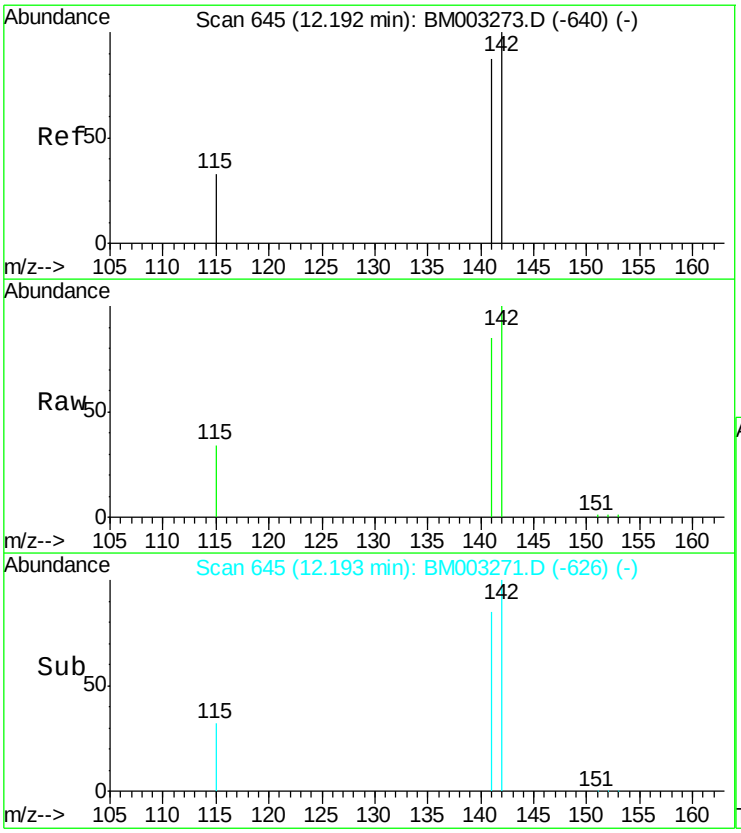
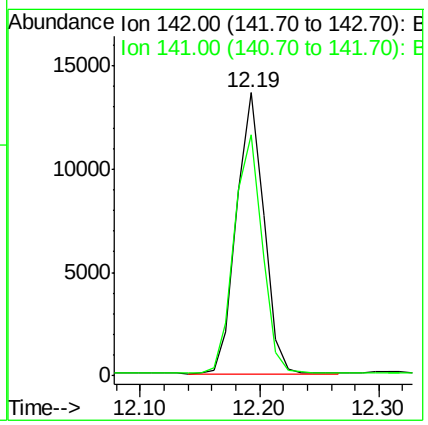
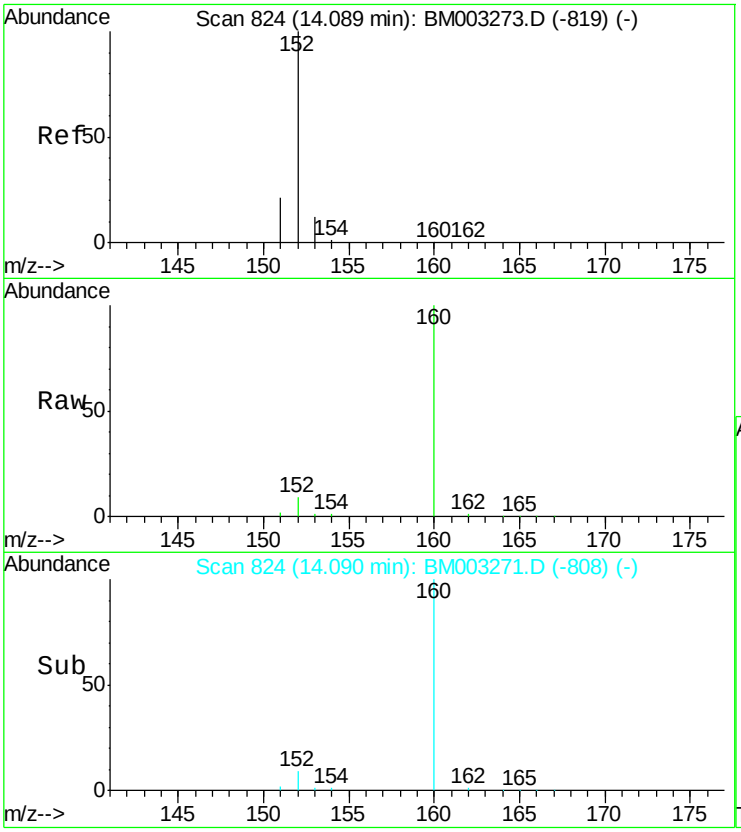


#7
2-Methylnaphthalene
Concen: 0.25 ng/ul
RT: 12.19 min Scan# 645
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:142 Resp: 21355

Ion	Ratio	Lower	Upper
142	100		
141	87.7	0.0	0.0#

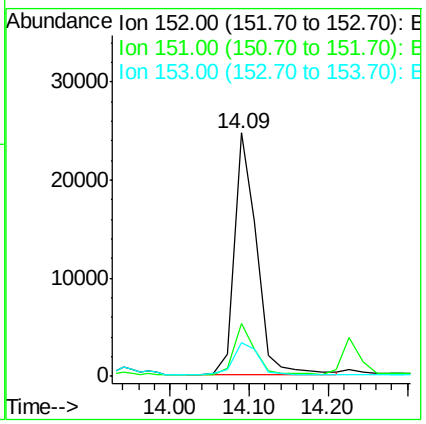




#9
Acenaphthylene
Concen: 0.41 ng/ul
RT: 14.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:152 Resp: 48248

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.6	26.4
153	13.8	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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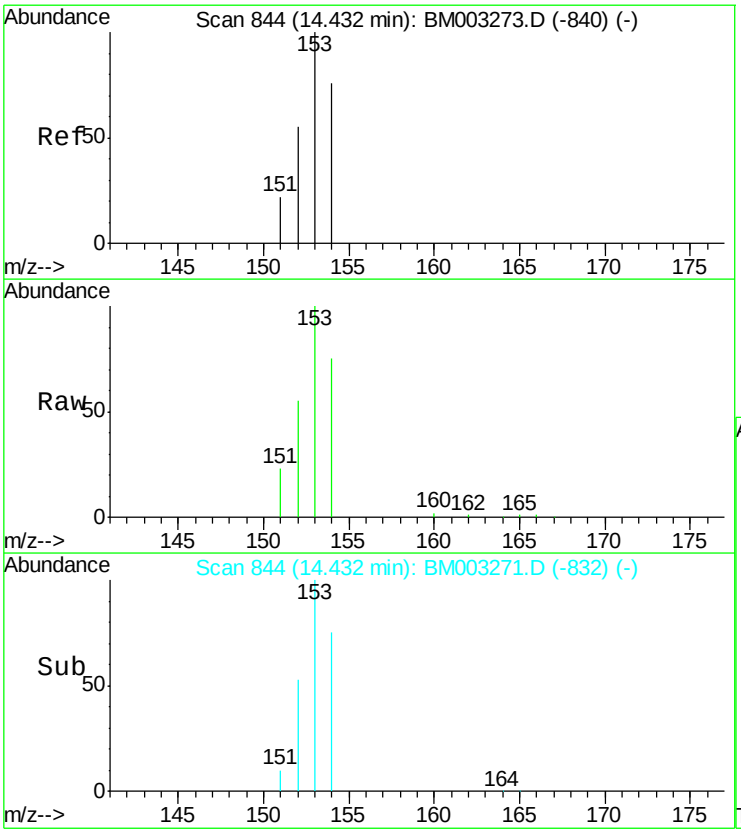
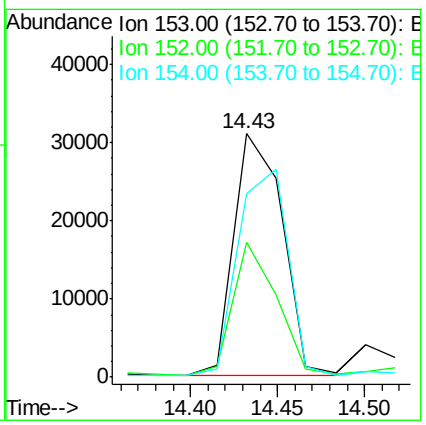
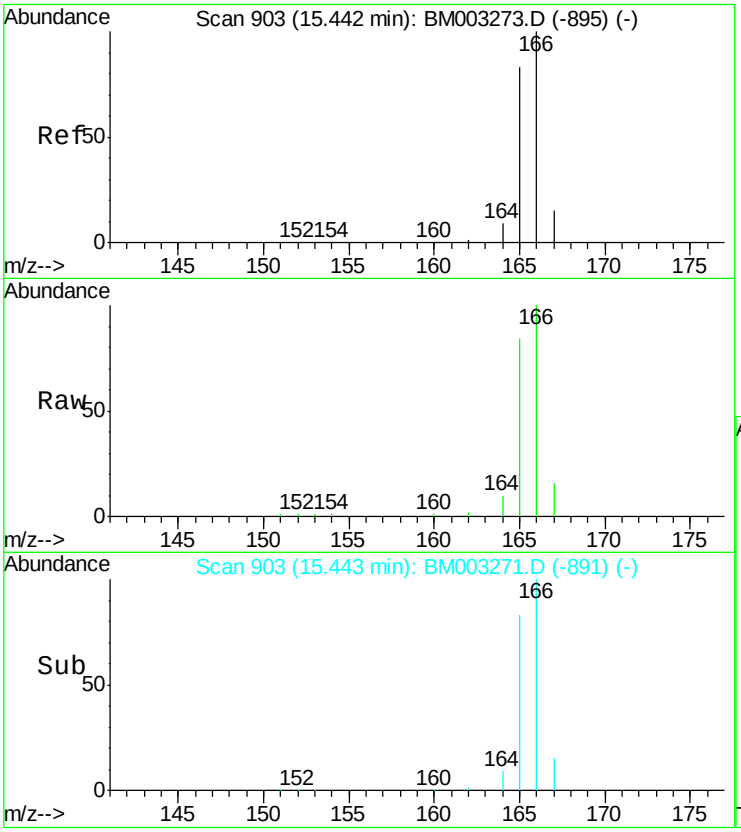


#10
Acenaphthene
Concen: 0.62 ng/ul
RT: 14.43 min Scan# 844
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:153 Resp: 61019

Ion	Ratio	Lower	Upper
153	100		
152	55.4	33.9	50.9#
154	75.1	80.6	121.0#

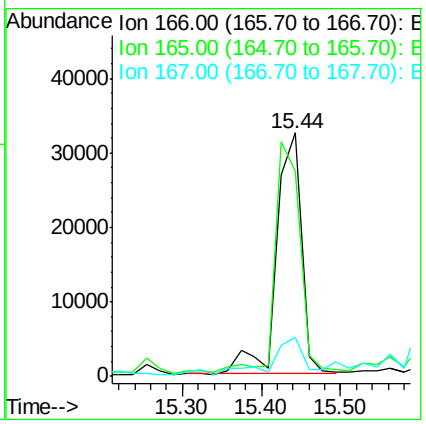




#11
Fluorene
Concen: 0.66 ng/ul
RT: 15.44 min Scan# 903
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:166 Resp: 70621

Ion	Ratio	Lower	Upper
166	100		
165	84.3	69.6	104.4
167	15.9	11.9	17.9



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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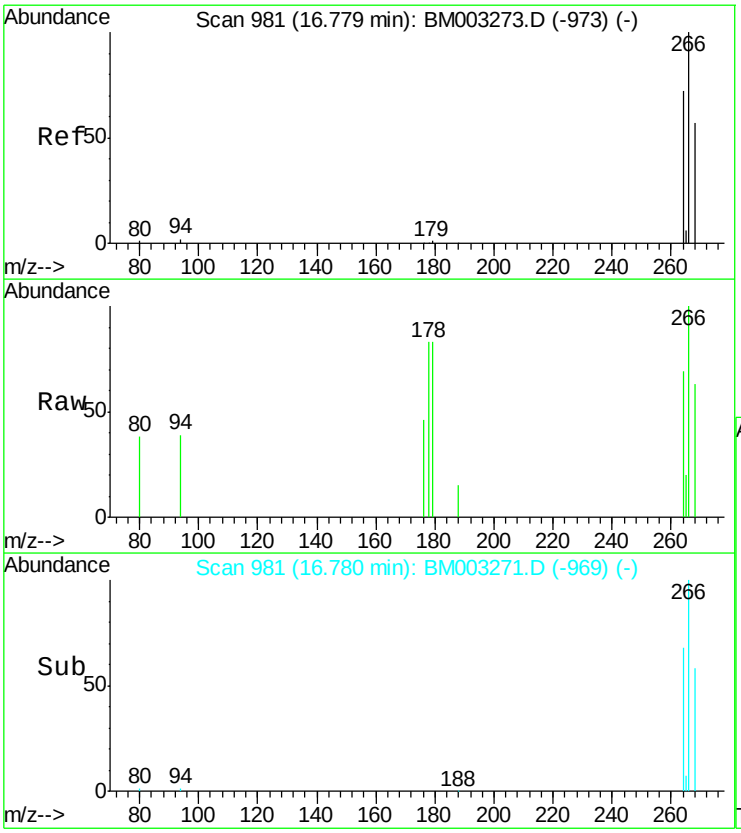
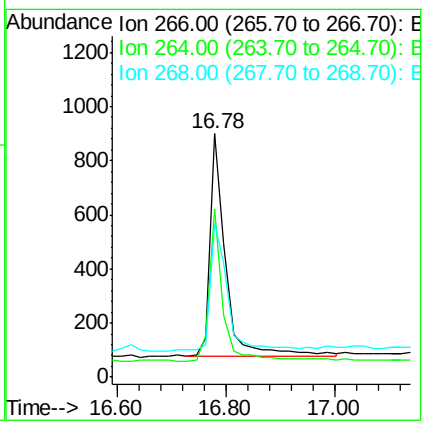
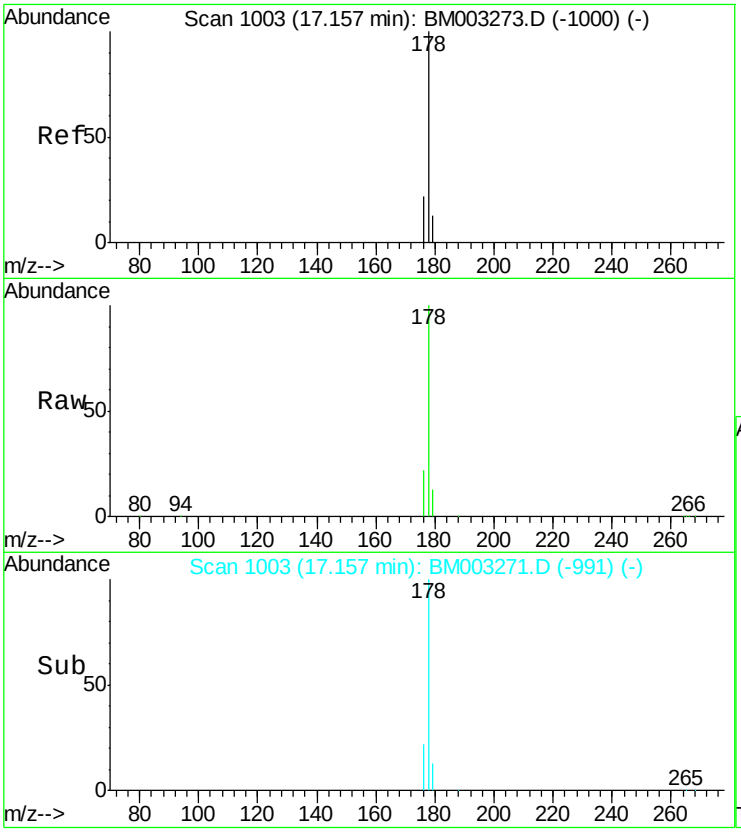


#13
Pentachlorophenol
Concen: 0.12 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:266 Resp: 1632

Ion	Ratio	Lower	Upper
266	100		
264	61.9	51.8	77.8
268	62.2	46.8	70.2





#14
Phenanthrene
Concen: 7.49 ng/ul m
RT: 17.16 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:178 Resp: 1297129

Ion	Ratio	Lower	Upper
178	100		
176	22.4	13.0	19.4#
179	13.3	14.2	21.2#

Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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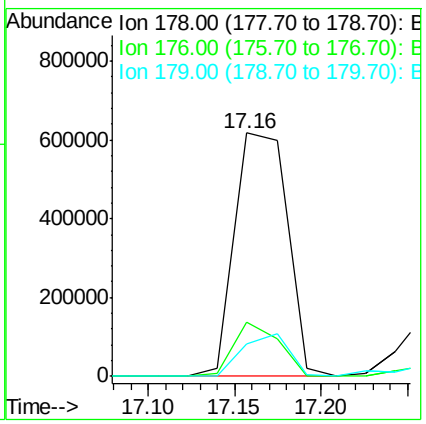
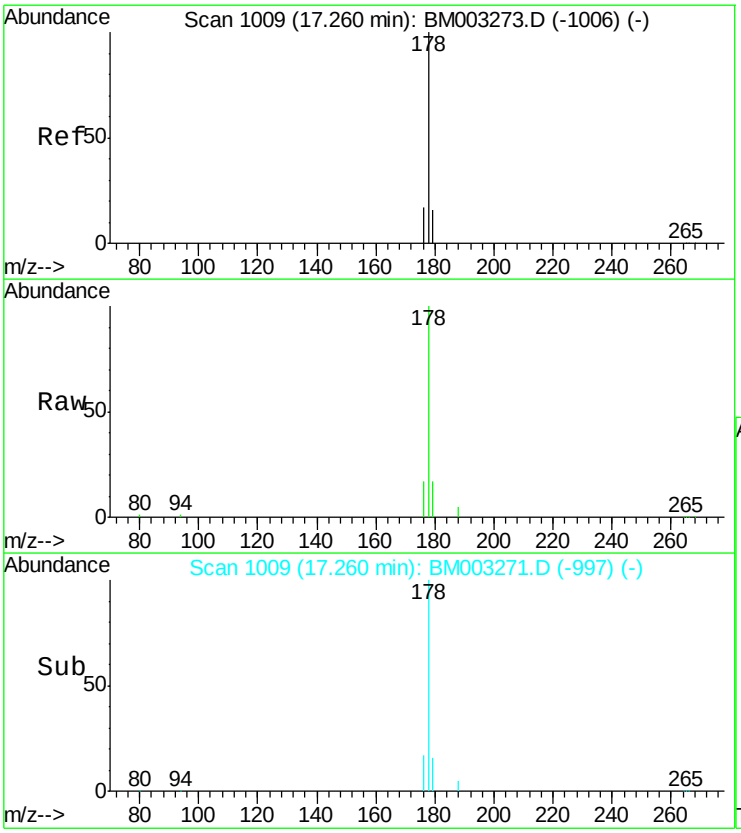
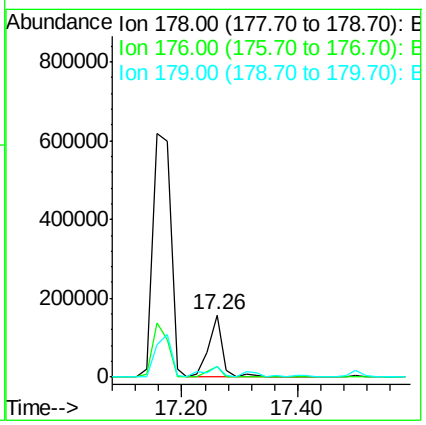


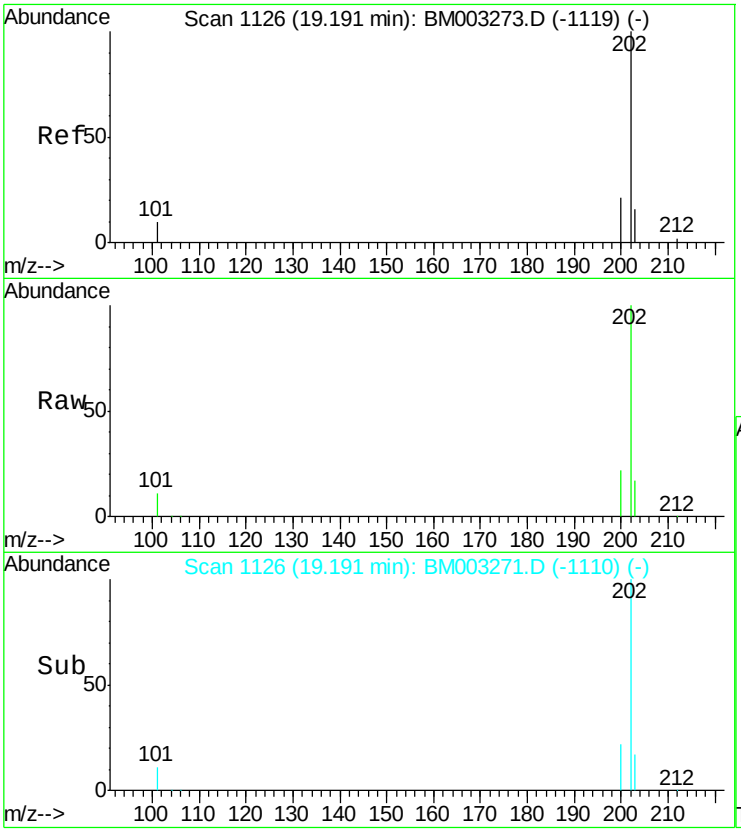


#15
Anthracene
Concen: 1.80 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:178 Resp: 260696

Ion	Ratio	Lower	Upper
178	100		
176	16.8	14.0	21.0
179	16.5	12.9	19.3

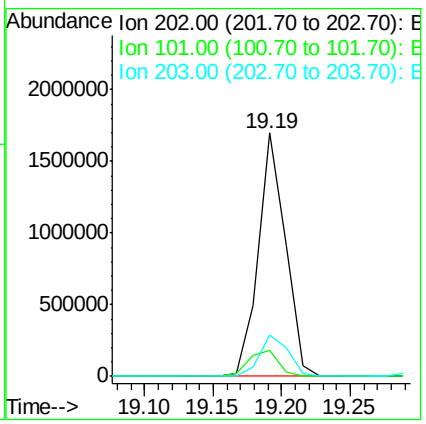




#17
Fluoranthene
Concen: 12.10 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:202 Resp: 2322302

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	29.6
203	17.0	0.0	36.3



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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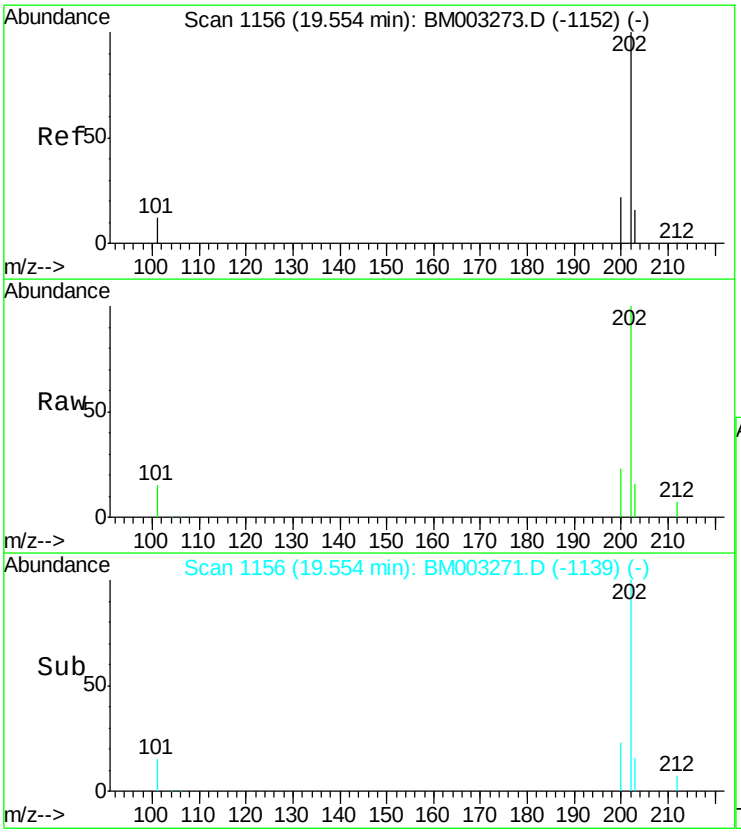
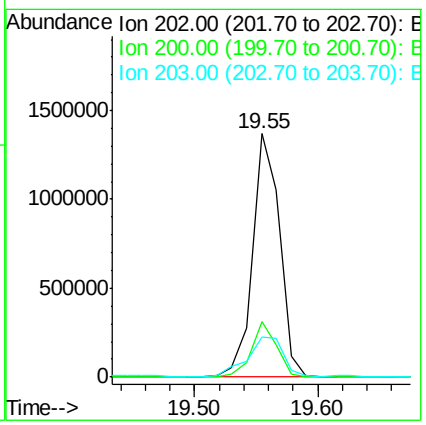
11/23/2015 7:04:41 PM

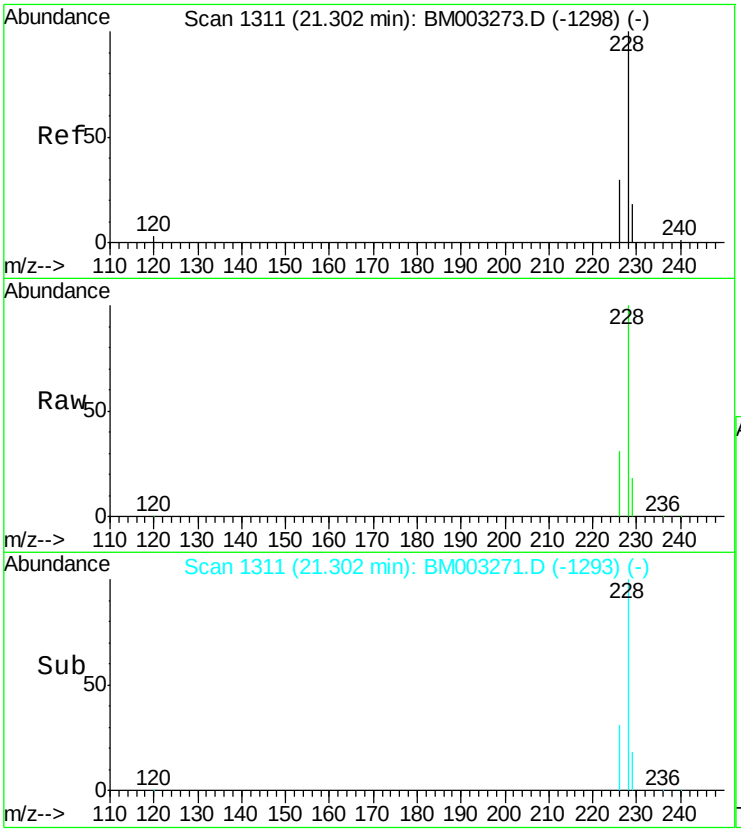


#19
Pyrene
Concen: 9.65 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:202 Resp: 2096450

Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.8	26.8
203	16.5	12.8	19.2

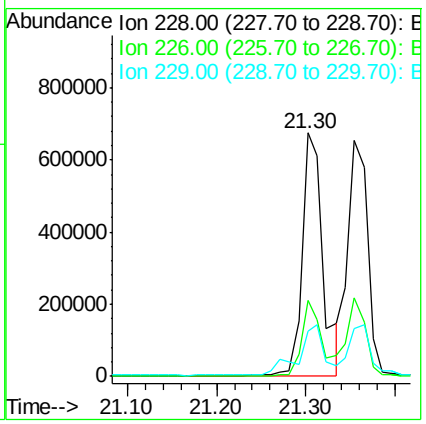




#20
Benzo(a)anthracene
Concen: 5.97 ng/ul
RT: 21.30 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:228 Resp: 1097434

Ion	Ratio	Lower	Upper
228	100		
226	31.1	18.8	28.2#
229	18.5	17.1	25.7



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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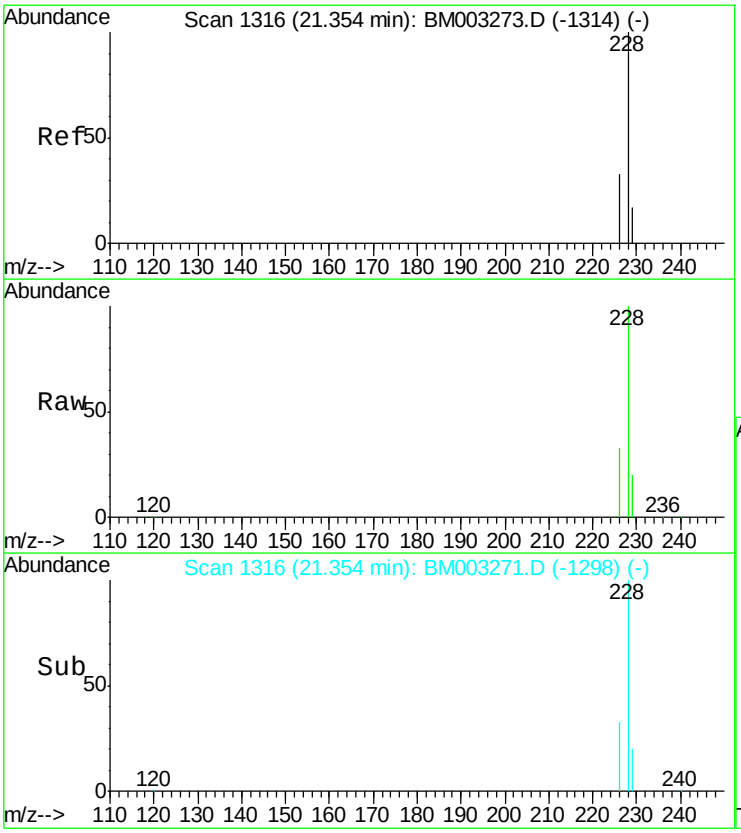
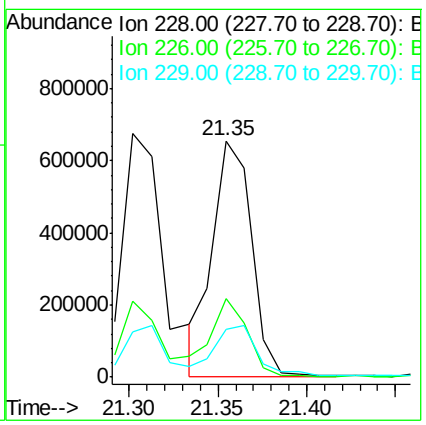
11/23/2015 7:04:41 PM

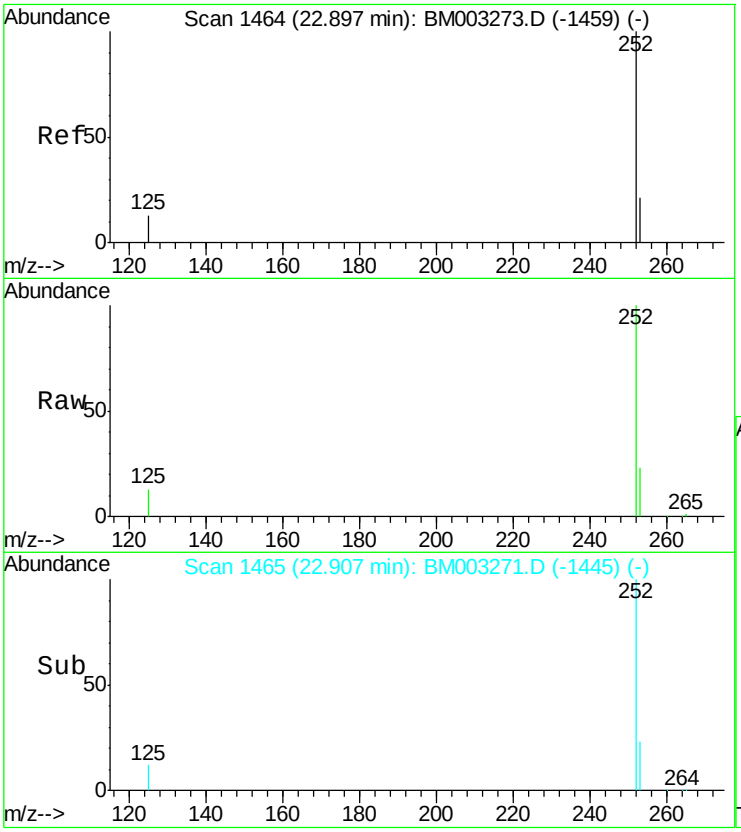


#21
Chrysene
Concen: 4.88 ng/ul m
RT: 21.35 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:228 Resp: 1009192

Ion	Ratio	Lower	Upper
228	100		
226	33.1	21.2	31.8#
229	20.2	17.0	25.6

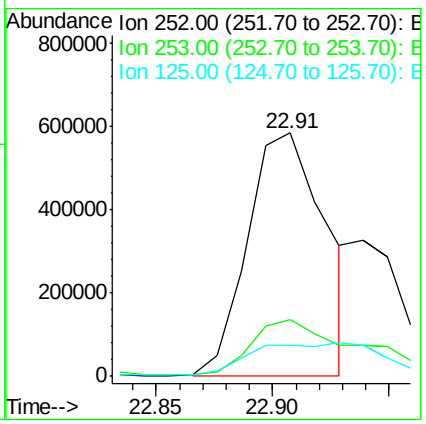




#23
Benzo(b)fluoranthene
Concen: 5.39 ng/ul m
RT: 22.91 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:252 Resp: 1360050

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	45.4
125	12.8	0.0	28.8



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
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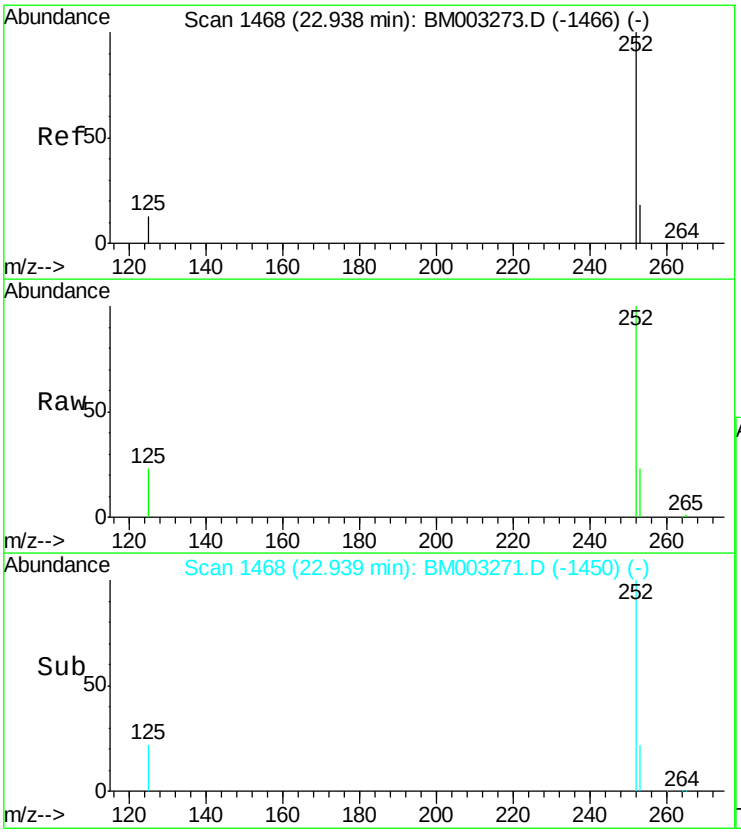
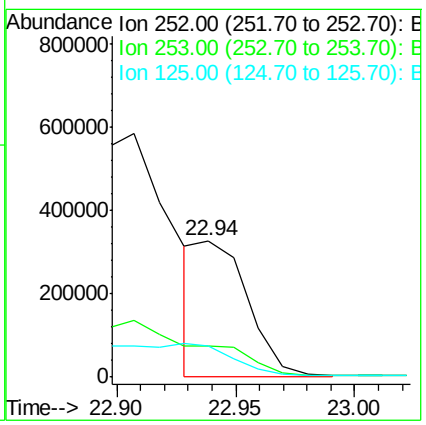
11/23/2015 7:04:41 PM

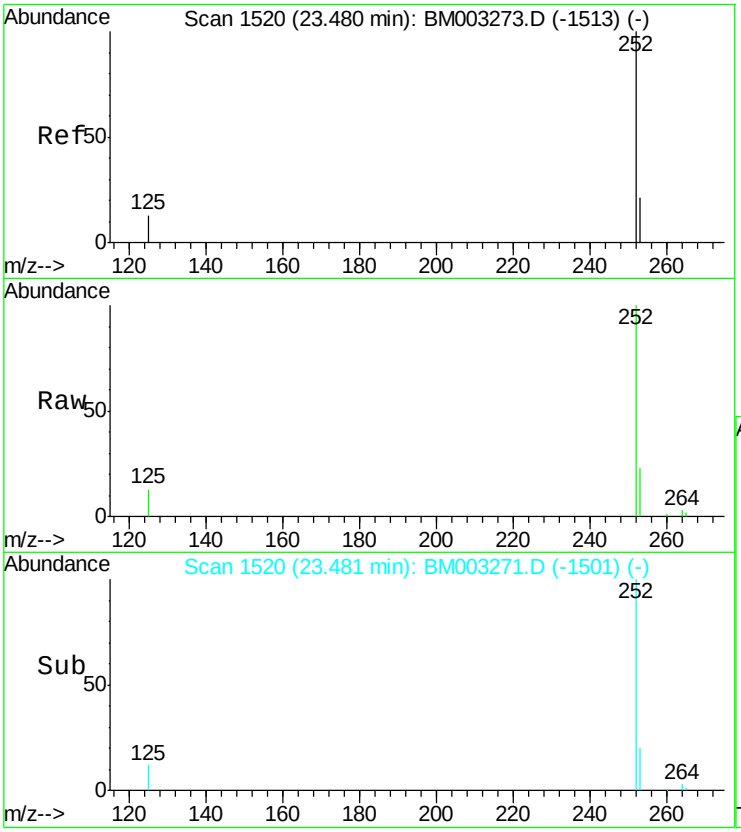


#24
Benzo(k)fluoranthene
Concen: 2.02 ng/ul m
RT: 22.94 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:252 Resp: 482160

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.8	29.8
125	22.5	10.4	15.6#

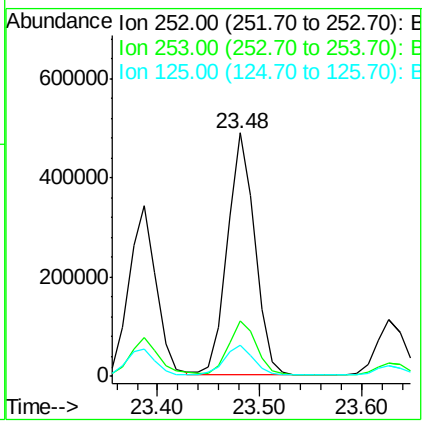




#25
Benzo(a)pyrene
Concen: 4.05 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

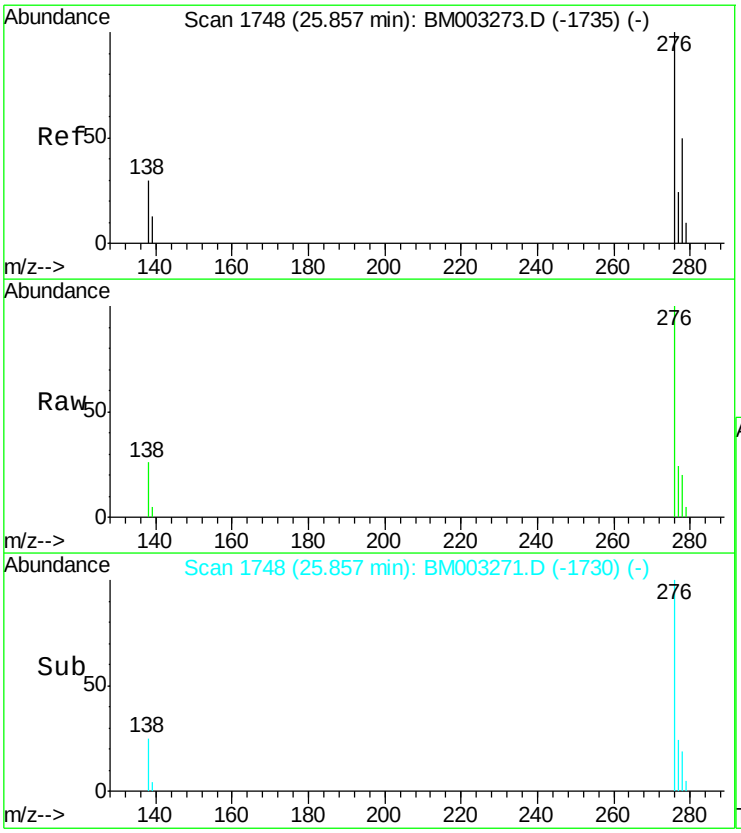
Tgt Ion:252 Resp: 909666

Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.4	29.2
125	12.9	12.7	19.1



Instrument :
BNA_M
ClientSampleId :
A4J57

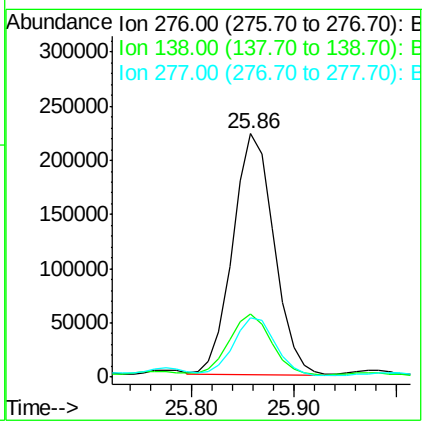
Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:41 PM

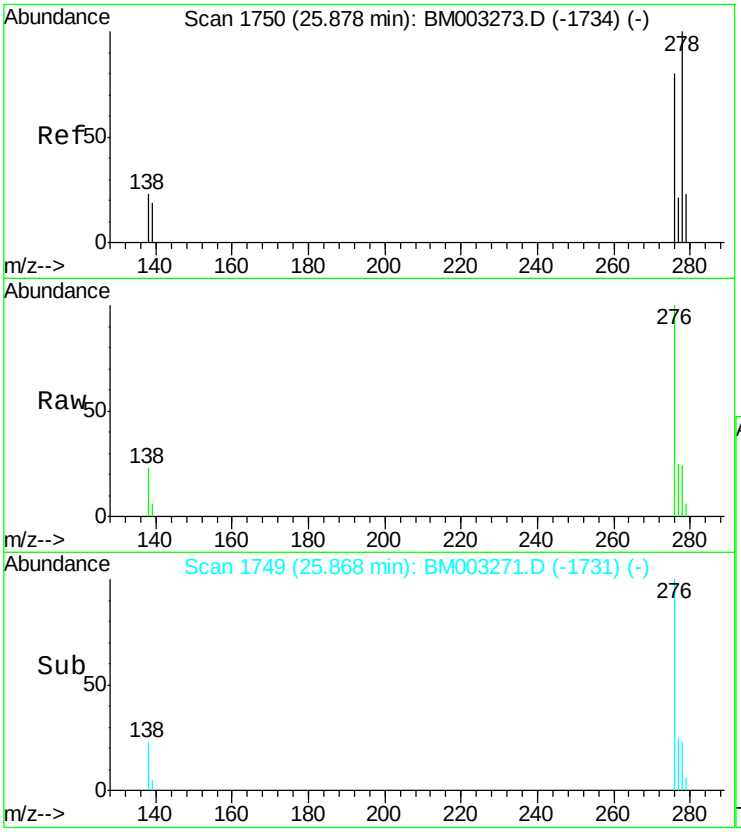


#26
Indeno(1,2,3-cd)pyrene
Concen: 2.33 ng/ul
RT: 25.86 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:276 Resp: 623896

Ion	Ratio	Lower	Upper
276	100		
138	25.5	16.3	24.5#
277	24.4	19.8	29.8

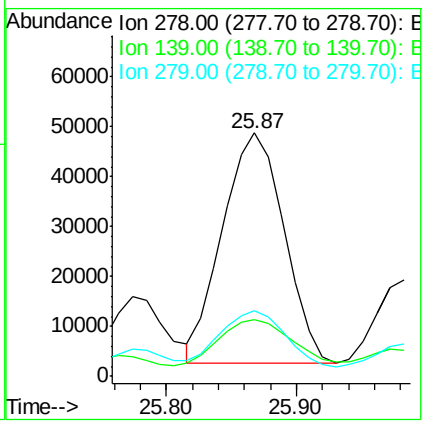




#27
Dibenzo(a,h)anthracene
Concen: 0.70 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

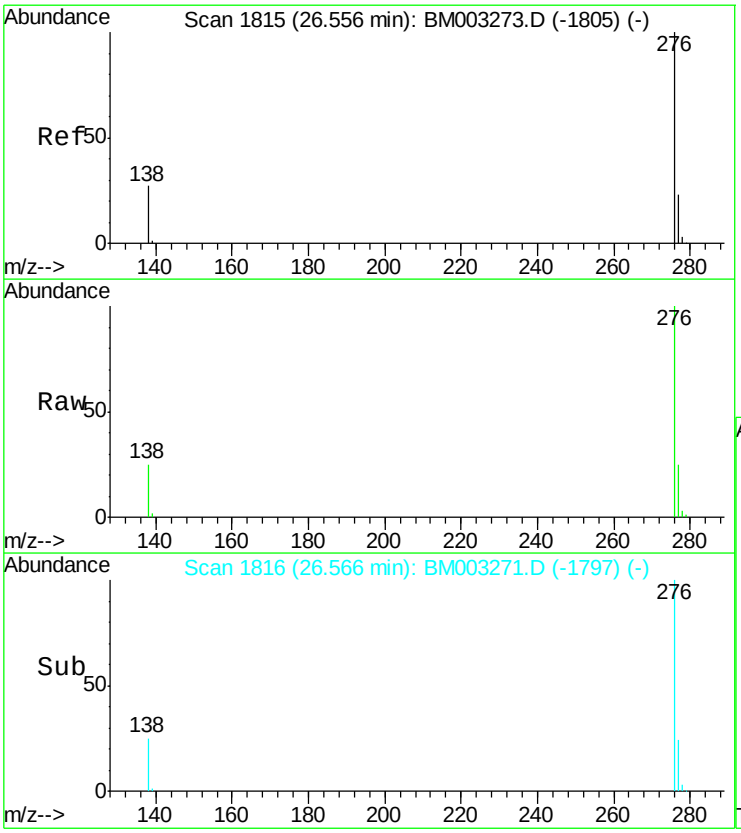
Tgt Ion:278 Resp: 152137

Ion	Ratio	Lower	Upper
278	100		
139	23.5	16.4	24.6
279	26.8	20.2	30.2



Instrument :
BNA_M
ClientSampleId :
A4J57

Manual Integrations APPROVED
Mmdadoda
11/23/2015 7:04:41 PM



#28
Benzo(g,h,i)perylene
Concen: 2.33 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM003271.D
Acq: 22 Nov 2015 04:51

Tgt Ion:276 Resp: 546888

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	25.4	22.5	33.7