Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112015\
Data File : BM003225.D
Acq On : 20 Nov 2015 17:32
Operator : UM/IZ
Sample : G4323-26
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4J46

Manual Integrations APPROVED
Mmdadoda
11/23/2015 6:58:41 PM

Quant Time: Nov 21 04:41:24 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 : Sat Nov 21 04:24:04 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13788	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53425	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27946	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	58738	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	58847	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	56667	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	46759	3.17	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	10608	0.15	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	17805	0.12	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.58	128	95417	0.70	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	26069	0.29	ng/ul#	100
9) Acenaphthylene	14.09	152	70744	0.61	ng/ul	99
10) Acenaphthene	14.45	153	45458	0.46	ng/ul	100
11) Fluorene	15.44	166	58797m	0.55	ng/ul	
13) Pentachlorophenol	16.78	266	996	0.07	ng/ul#	92
14) Phenanthrene	17.17	178	1030016	6.04	ng/ul	100
15) Anthracene	17.26	178	228156	1.60	ng/ul	99
17) Fluoranthene	19.19	202	1514380	8.01	ng/ul	98
19) Pyrene	19.57	202	1451474	7.19	ng/ul#	91
20) Benzo(a)anthracene	21.31	228	707802	4.15	ng/ul	95
21) Chrysene	21.36	228	716098	3.73	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	920859m	4.27	ng/ul	
24) Benzo(k)fluoranthene	22.95	252	284336m	1.40	ng/ul	
25) Benzo(a)pyrene	23.49	252	630294	3.29	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.87	276	412412	1.81	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.88	278	101214	0.55	ng/ul#	93
28) Benzo(g,h,i)perylene	26.57	276	366957	1.83	ng/ul	98

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 21 04:41:24 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 : Sat Nov 21 04:24:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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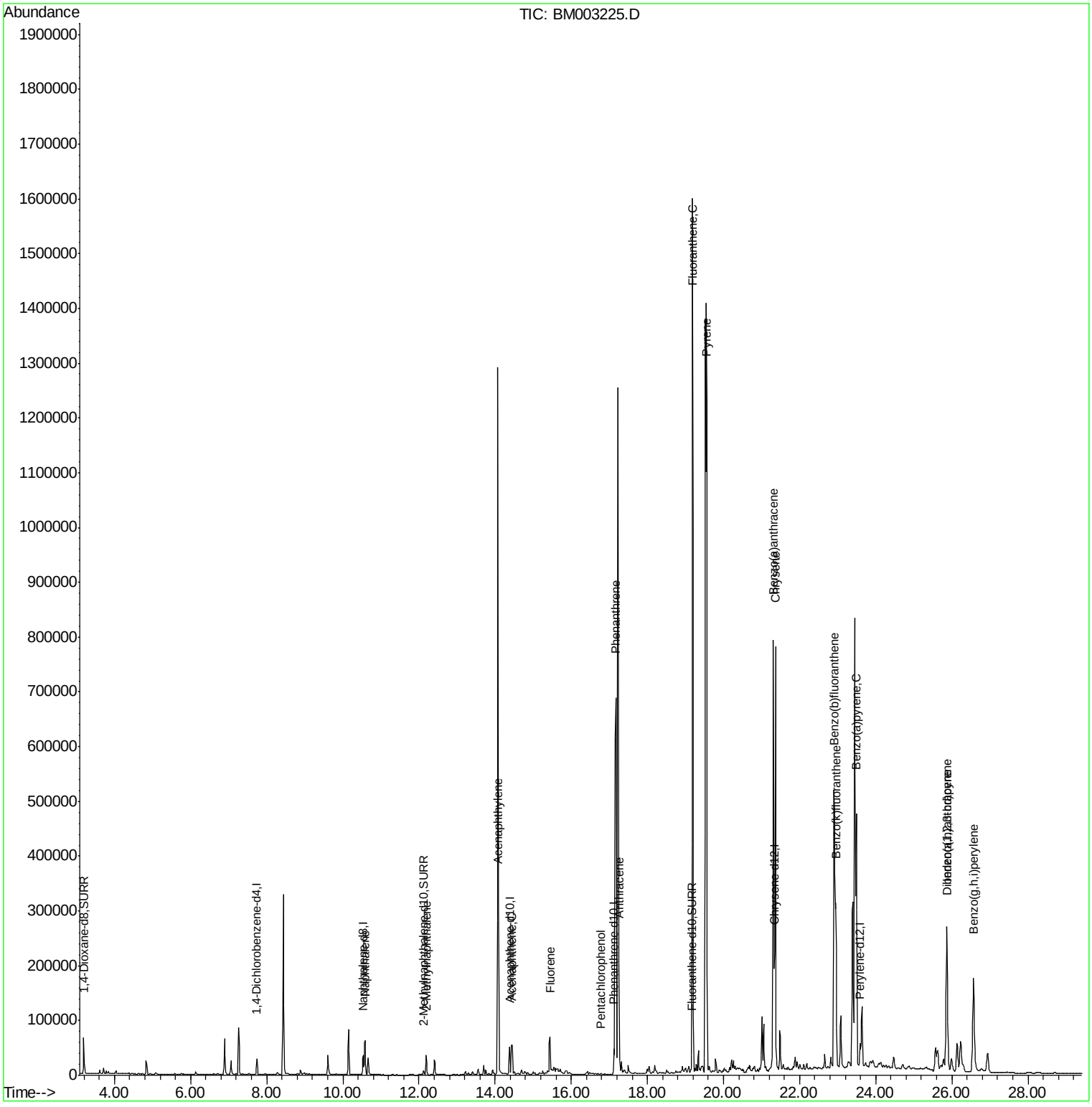
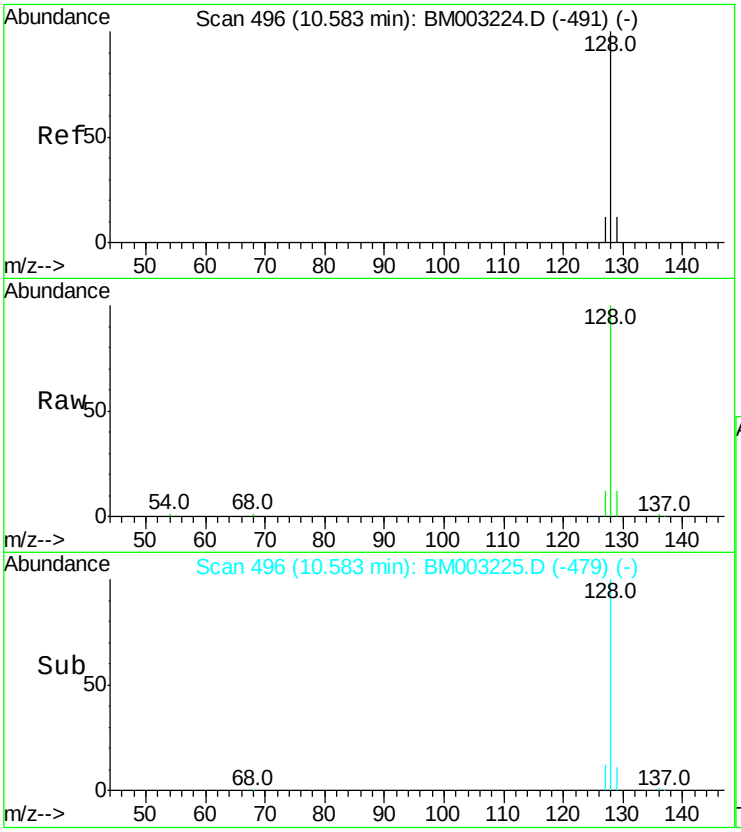
11/23/2015 6:58:41 PM

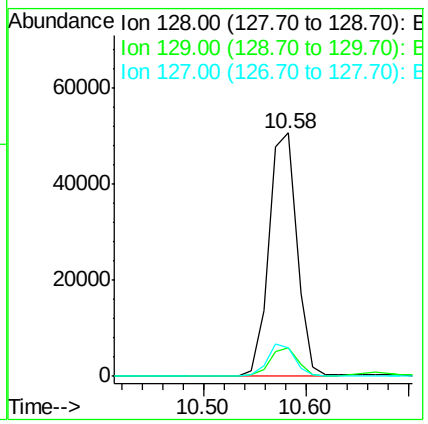




#5
Naphthalene
Concen: 0.70 ng/ul
RT: 10.58 min Scan# 496
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

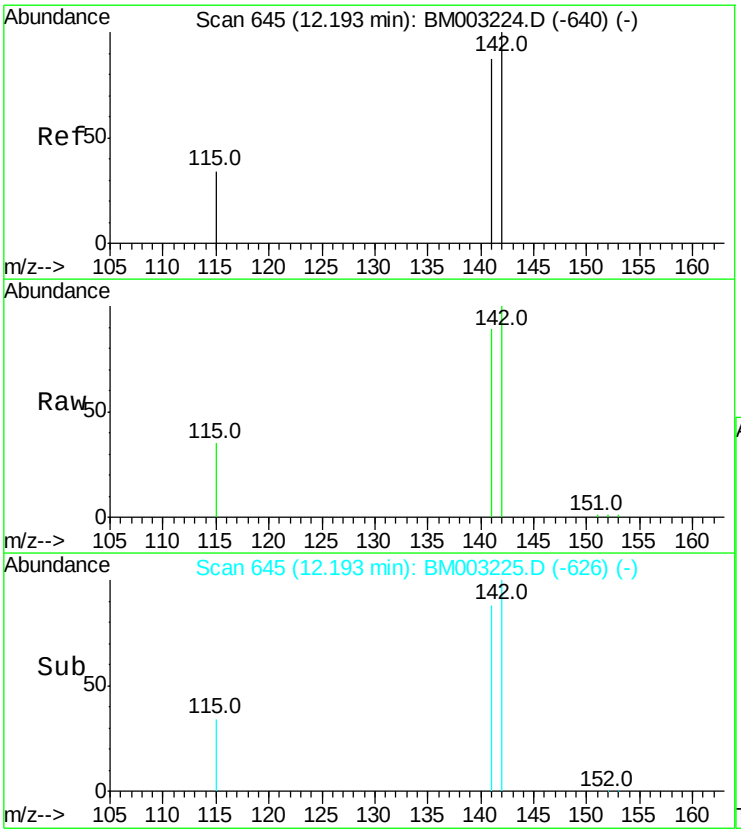
Tgt Ion:128 Resp: 95417

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	11.9	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
A4J46

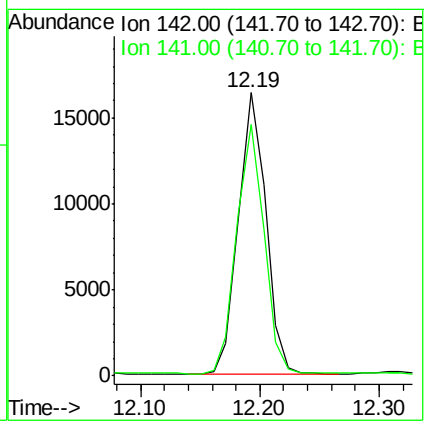
Manual Integrations APPROVED
Mmdadoda
11/23/2015 6:58:41 PM

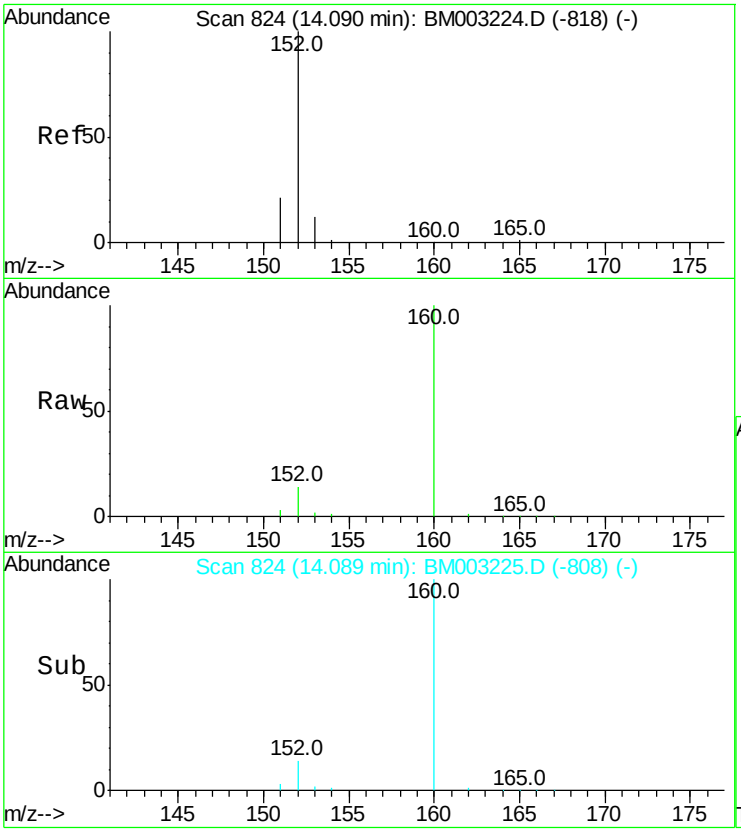


#7
2-Methylnaphthalene
Concen: 0.29 ng/ul
RT: 12.19 min Scan# 645
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:142 Resp: 26069

Ion	Ratio	Lower	Upper
142	100		
141	88.4	0.0	0.0#

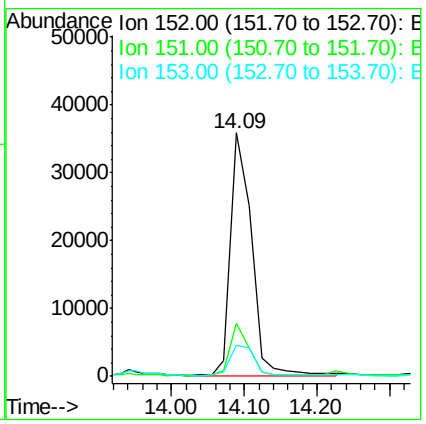




#9
Acenaphthylene
Concen: 0.61 ng/ul
RT: 14.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:152 Resp: 70744

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.6	26.4
153	13.0	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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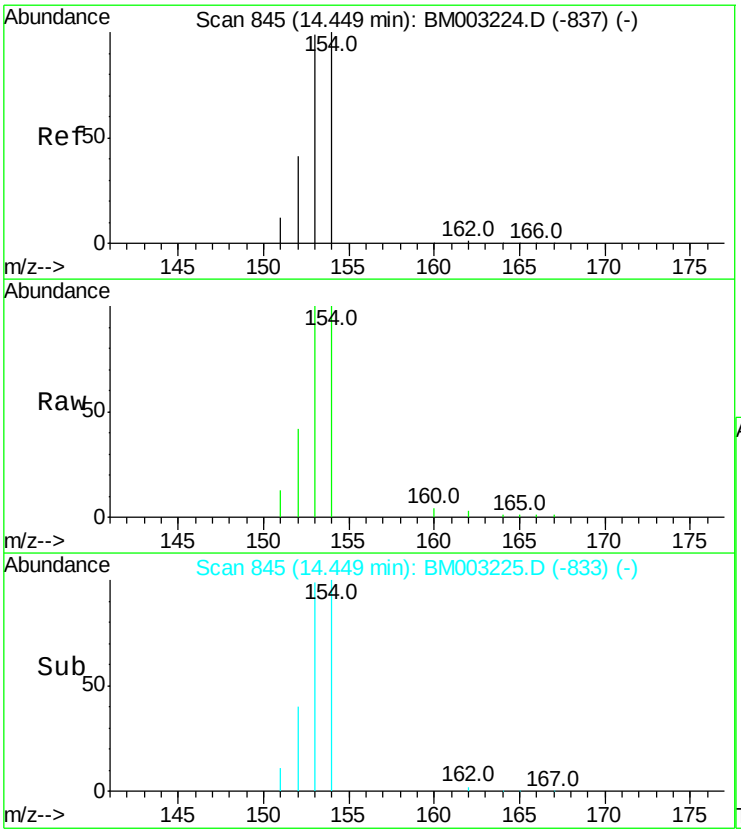
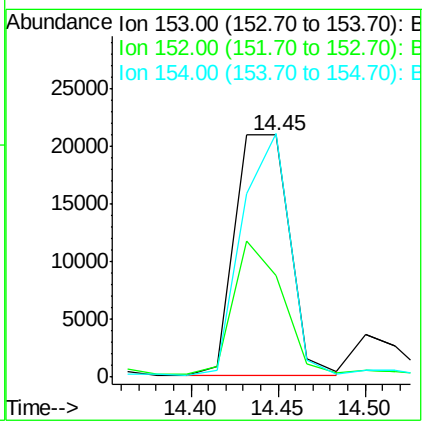
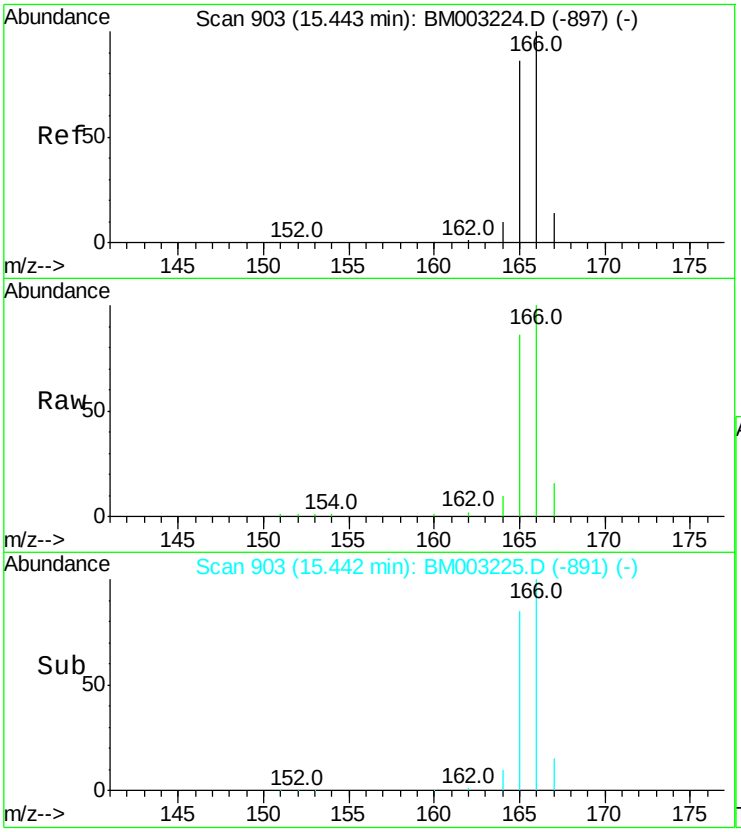


#10
Acenaphthene
Concen: 0.46 ng/ul
RT: 14.45 min Scan# 845
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:153 Resp: 45458

Ion	Ratio	Lower	Upper
153	100		
152	42.0	33.9	50.9
154	100.5	80.6	121.0

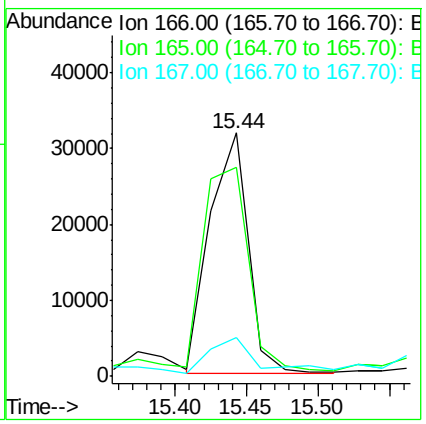




#11
Fluorene
Concen: 0.55 ng/ul m
RT: 15.44 min Scan# 903
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:166 Resp: 58797

Ion	Ratio	Lower	Upper
166	100		
165	85.8	69.6	104.4
167	15.9	11.9	17.9



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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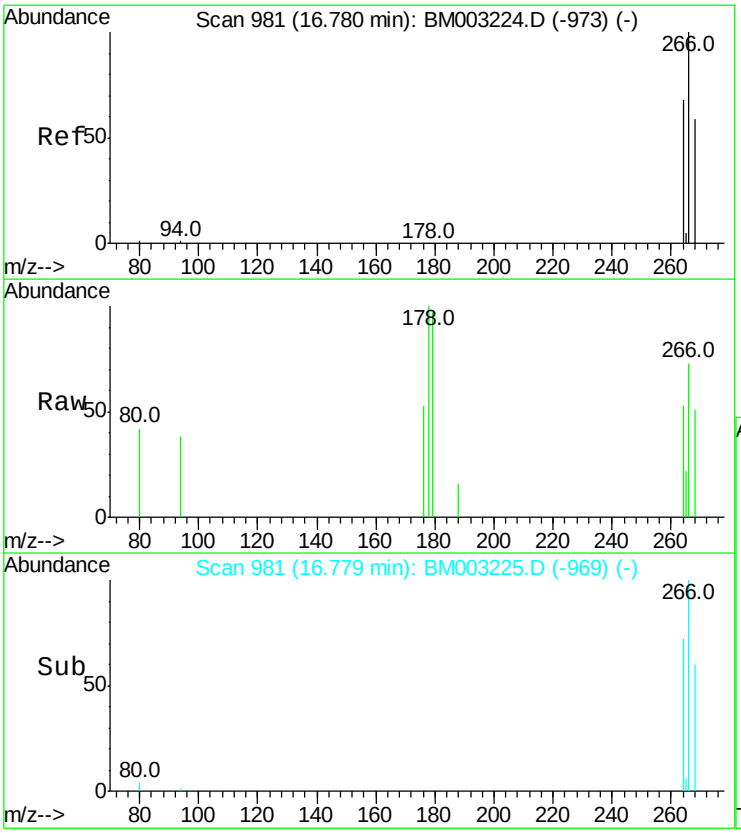
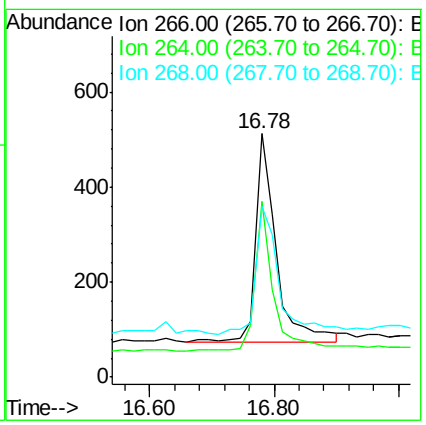
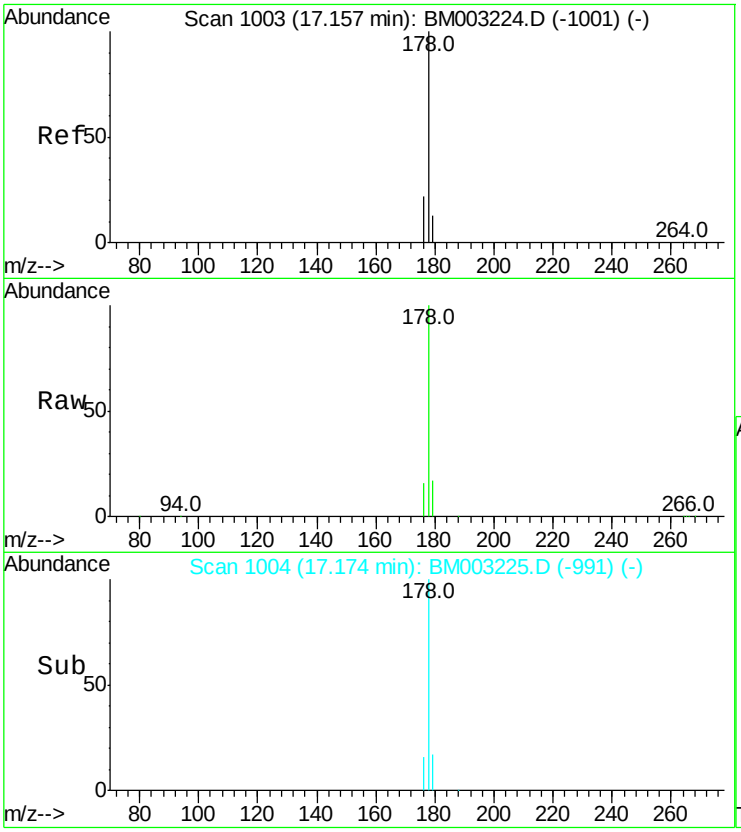


#13
Pentachlorophenol
Concen: 0.07 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:266 Resp: 996

Ion	Ratio	Lower	Upper
266	100		
264	64.1	51.8	77.8
268	70.8	46.8	70.2#

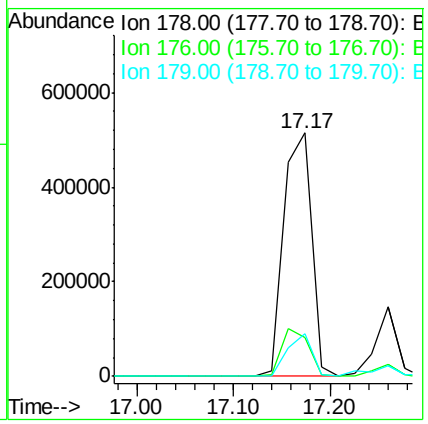




#14
Phenanthrene
Concen: 6.04 ng/ul
RT: 17.17 min Scan# 1004
Delta R.T. 0.02 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:178 Resp: 1030016

Ion	Ratio	Lower	Upper
178	100		
176	16.2	13.0	19.4
179	17.4	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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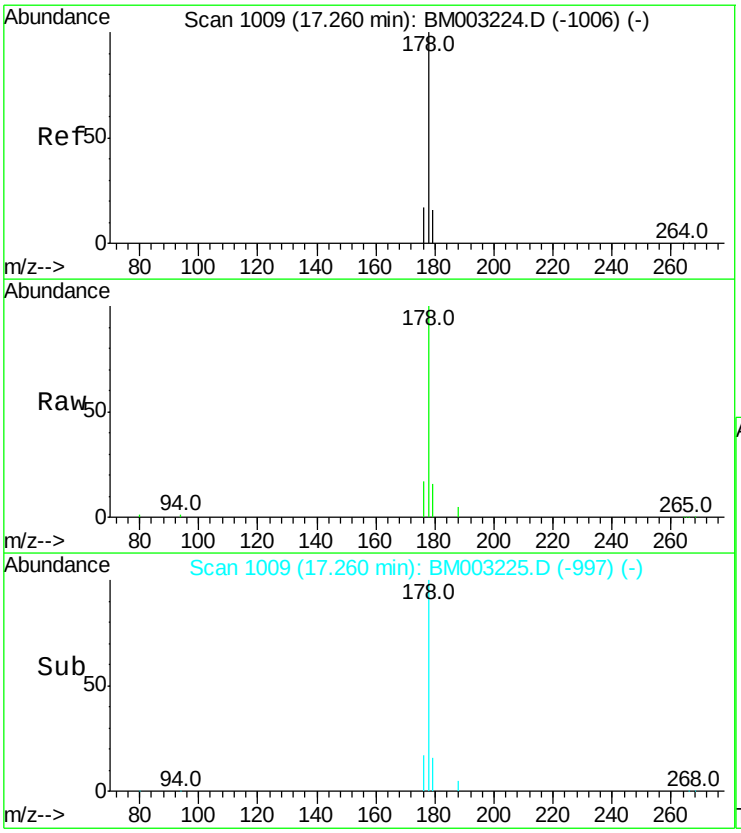
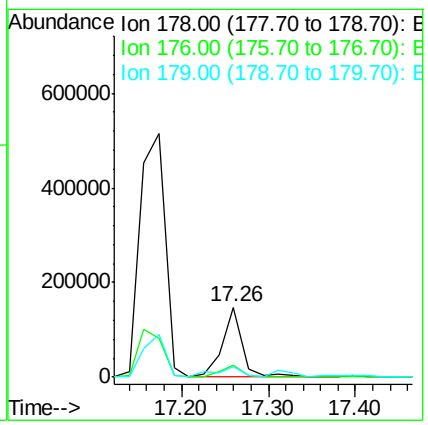
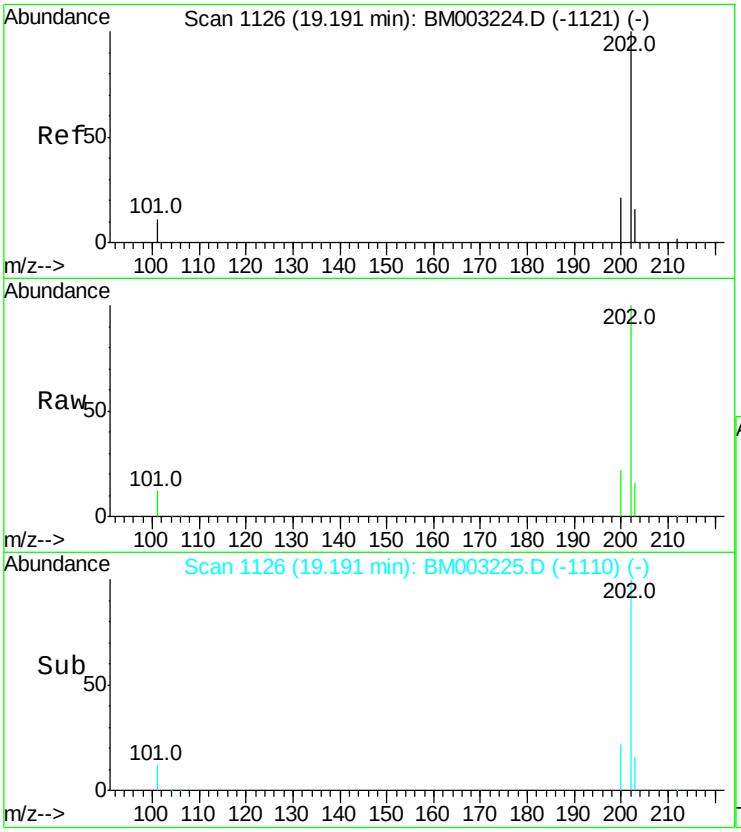


#15
Anthracene
Concen: 1.60 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:178 Resp: 228156

Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.0	21.0
179	16.1	12.9	19.3

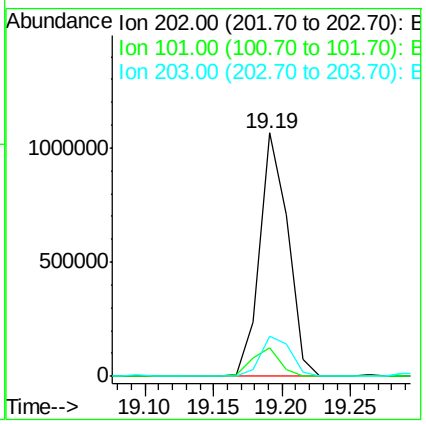




#17
Fluoranthene
Concen: 8.01 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:202 Resp: 1514380

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	29.6
203	16.3	0.0	36.3



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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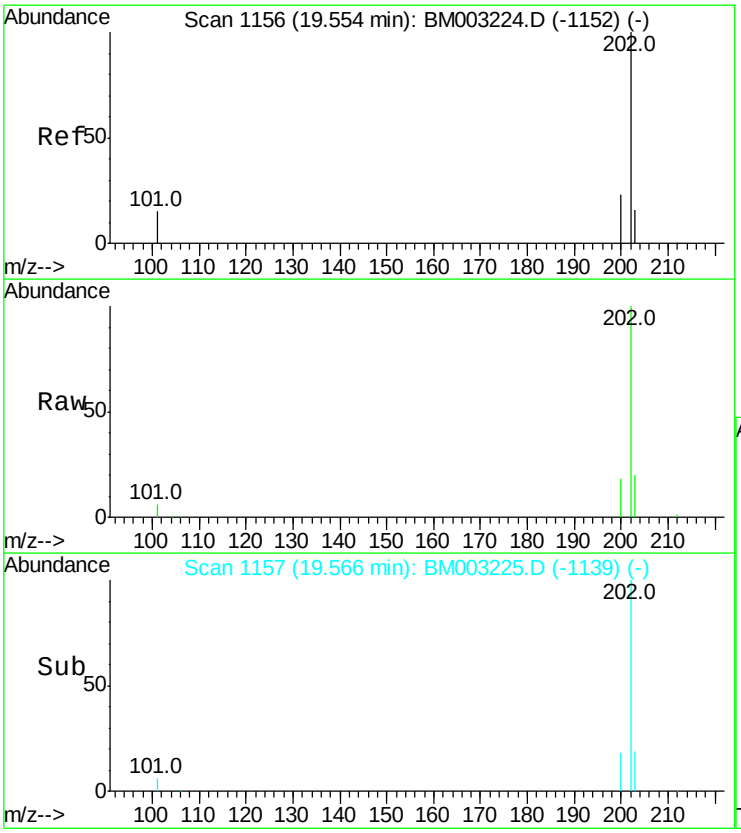
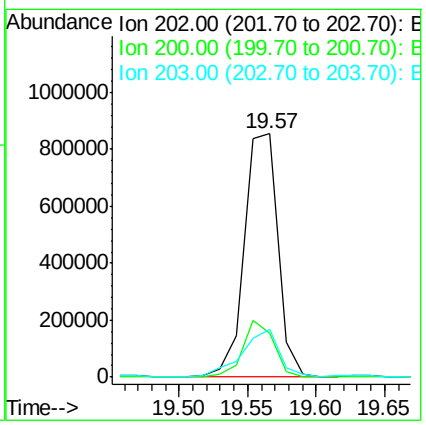
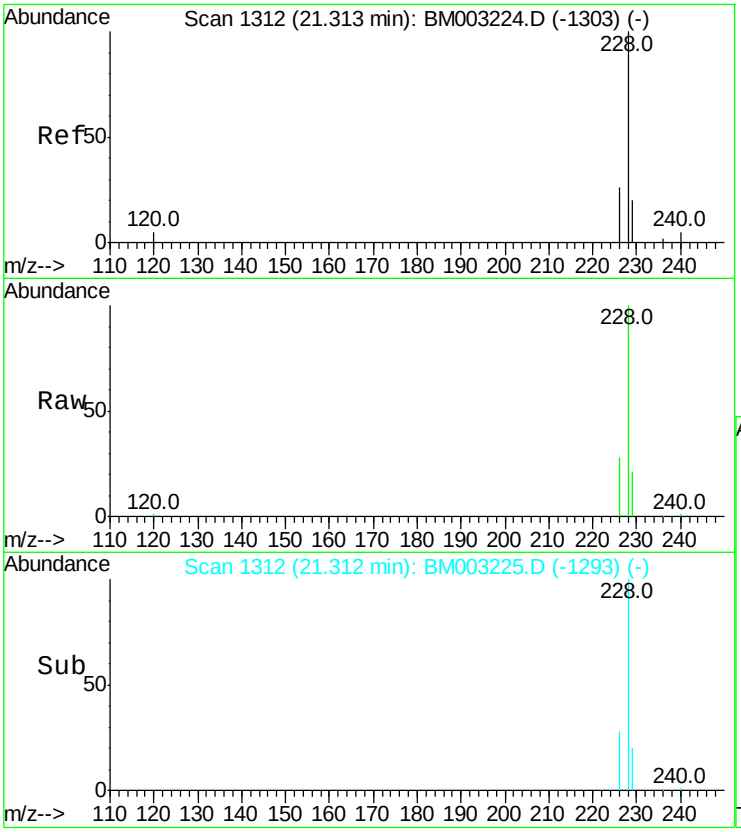


#19
Pyrene
Concen: 7.19 ng/ul
RT: 19.57 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:202 Resp: 1451474

Ion	Ratio	Lower	Upper
202	100		
200	17.8	17.8	26.8#
203	19.7	12.8	19.2#

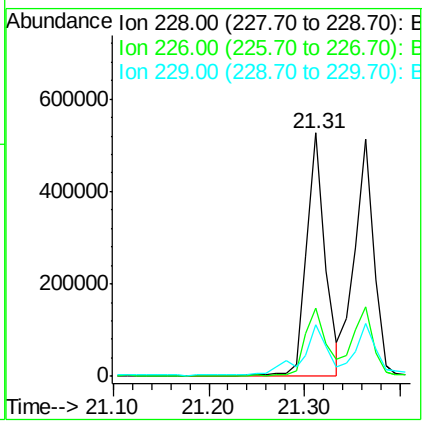




#20
Benzo(a)anthracene
Concen: 4.15 ng/ul
RT: 21.31 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:228 Resp: 707802

Ion	Ratio	Lower	Upper
228	100		
226	28.2	18.8	28.2
229	21.0	17.1	25.7



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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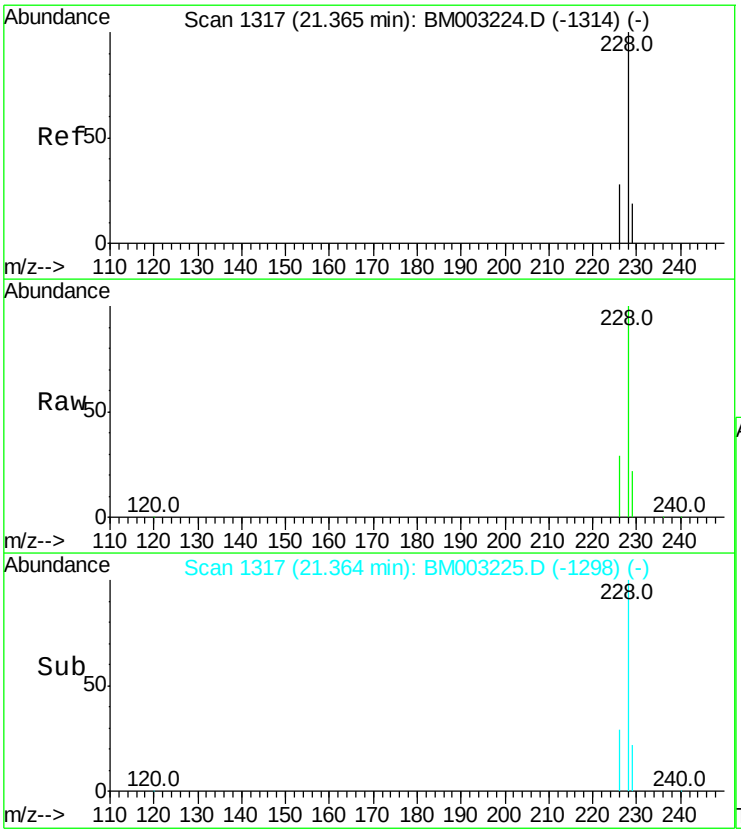
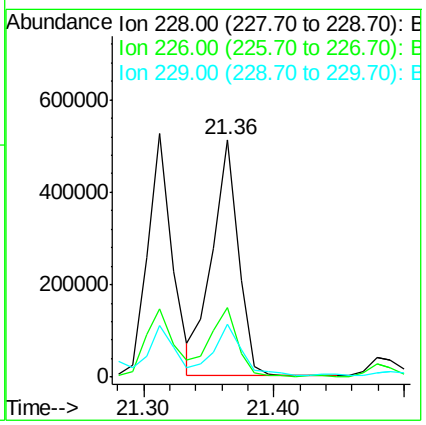
11/23/2015 6:58:41 PM

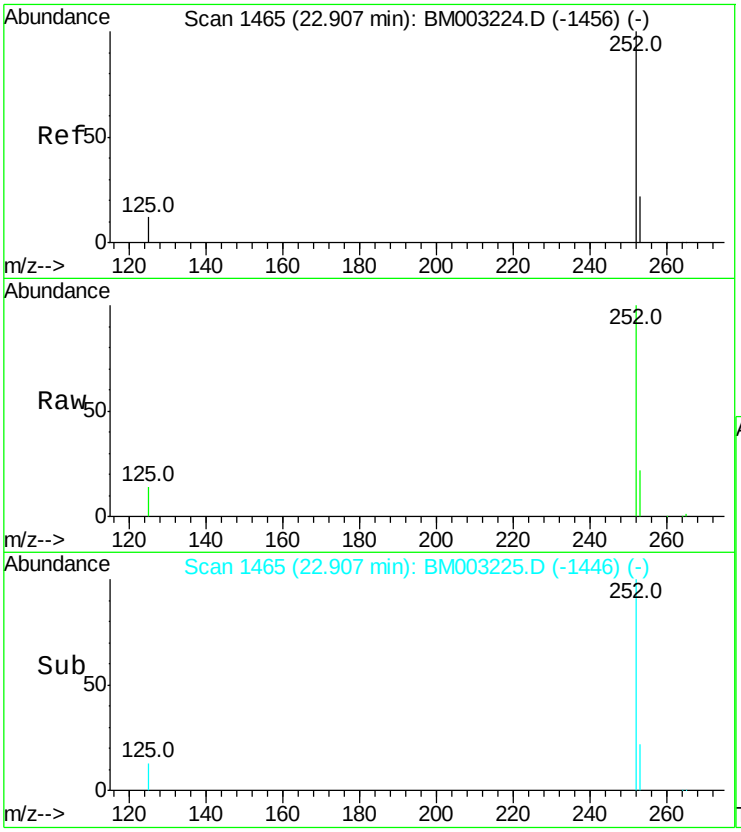


#21
Chrysene
Concen: 3.73 ng/ul
RT: 21.36 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:228 Resp: 716098

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.2	31.8
229	22.5	17.0	25.6

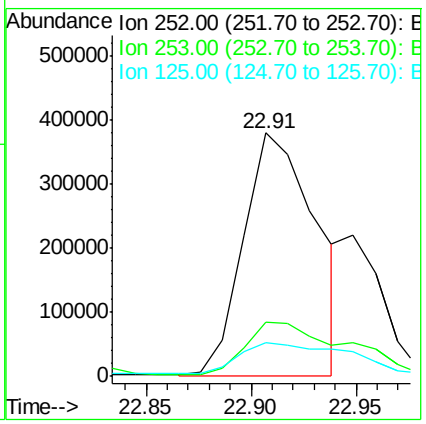




#23
Benzo(b)fluoranthene
Concen: 4.27 ng/ul m
RT: 22.91 min Scan# 1465
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:252 Resp: 920859

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	45.4
125	13.8	0.0	28.8



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
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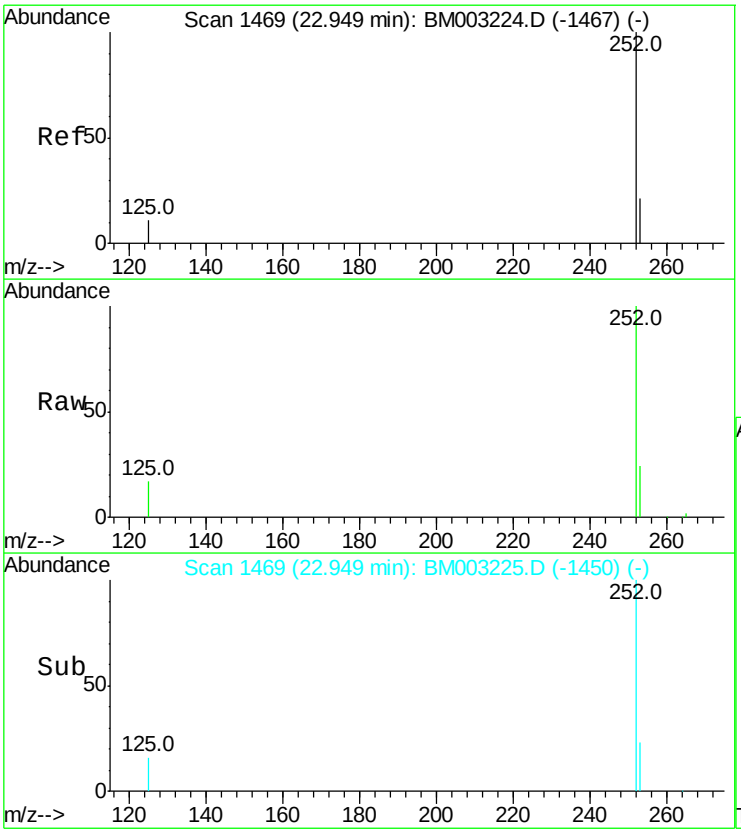
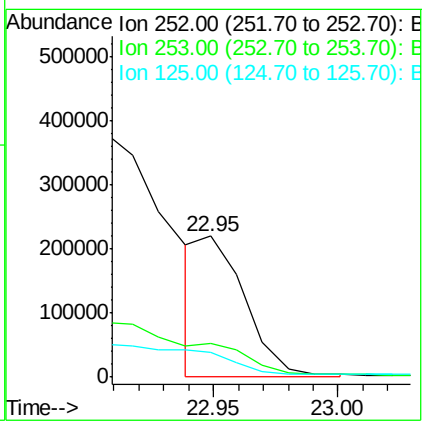
11/23/2015 6:58:41 PM

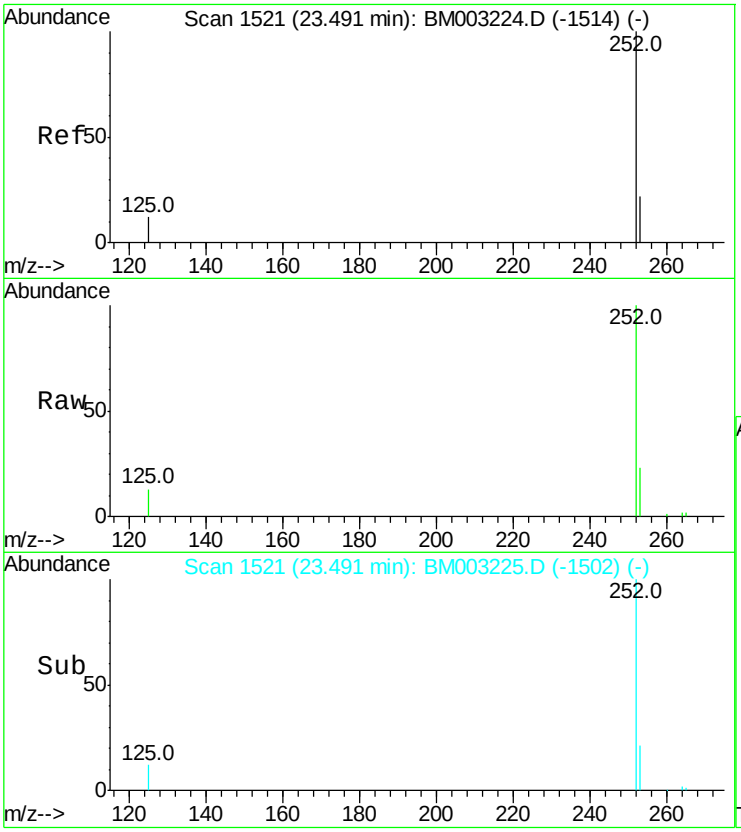


#24
Benzo(k)fluoranthene
Concen: 1.40 ng/ul m
RT: 22.95 min Scan# 1469
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:252 Resp: 284336

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.8	29.8
125	17.2	10.4	15.6#

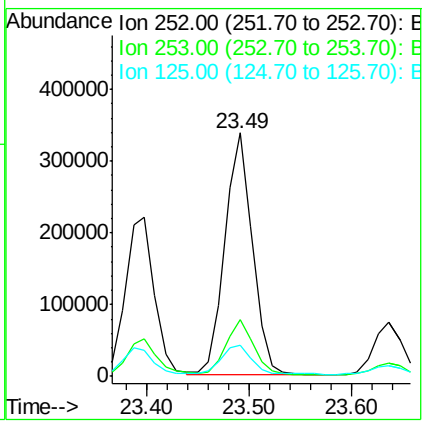




#25
Benzo(a)pyrene
Concen: 3.29 ng/ul
RT: 23.49 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

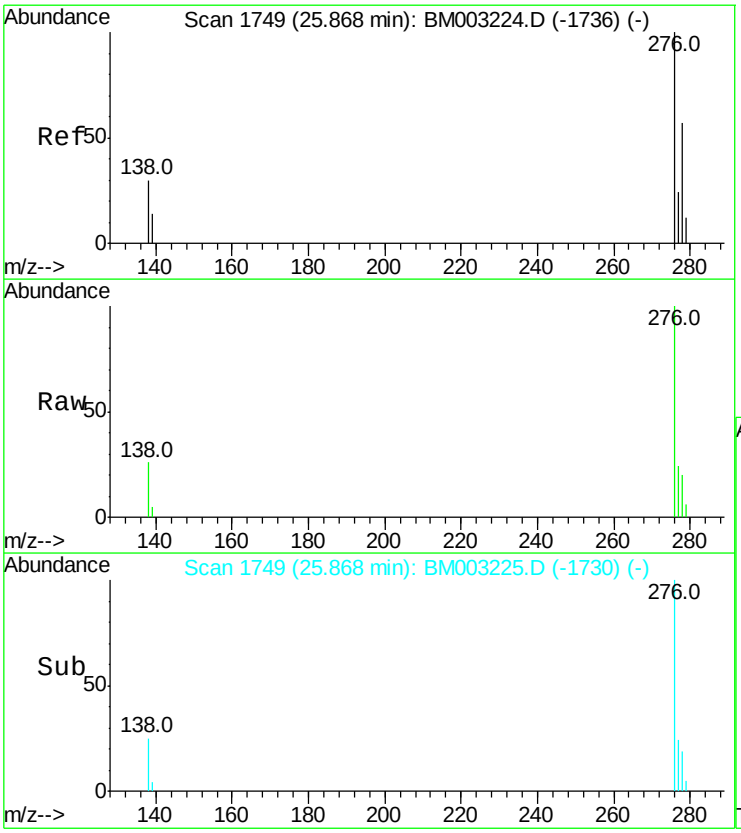
Tgt Ion:252 Resp: 630294

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.4	29.2
125	13.0	12.7	19.1



Instrument :
BNA_M
ClientSampleId :
A4J46

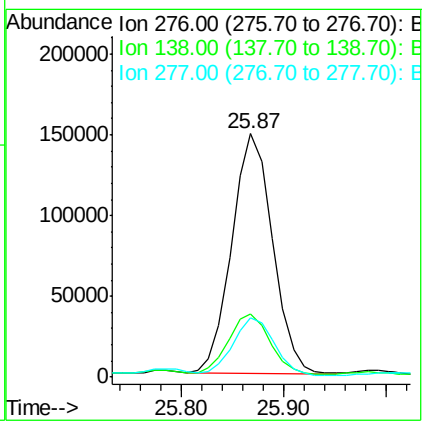
Manual Integrations APPROVED
Mmdadoda
11/23/2015 6:58:41 PM

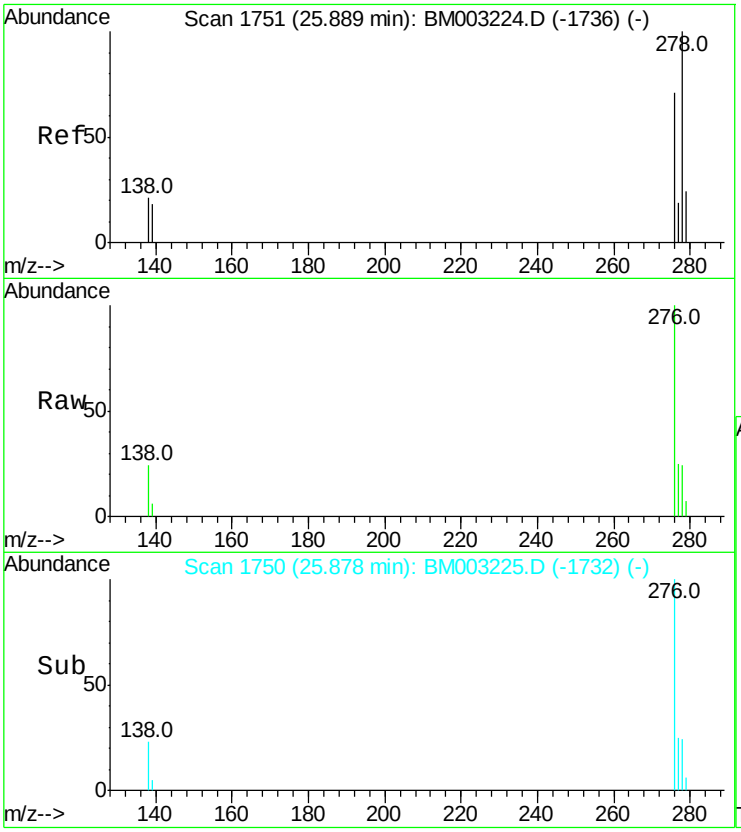


#26
Indeno(1,2,3-cd)pyrene
Concen: 1.81 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:276 Resp: 412412

Ion	Ratio	Lower	Upper
276	100		
138	25.7	16.3	24.5#
277	24.3	19.8	29.8

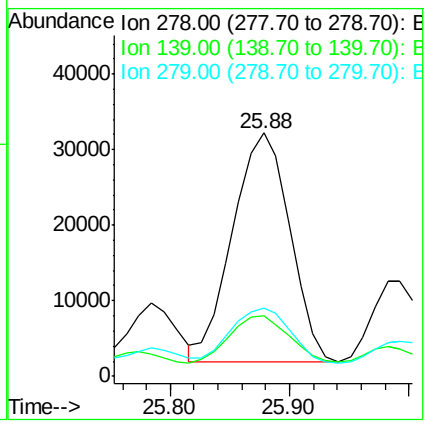




#27
Dibenzo(a,h)anthracene
Concen: 0.55 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

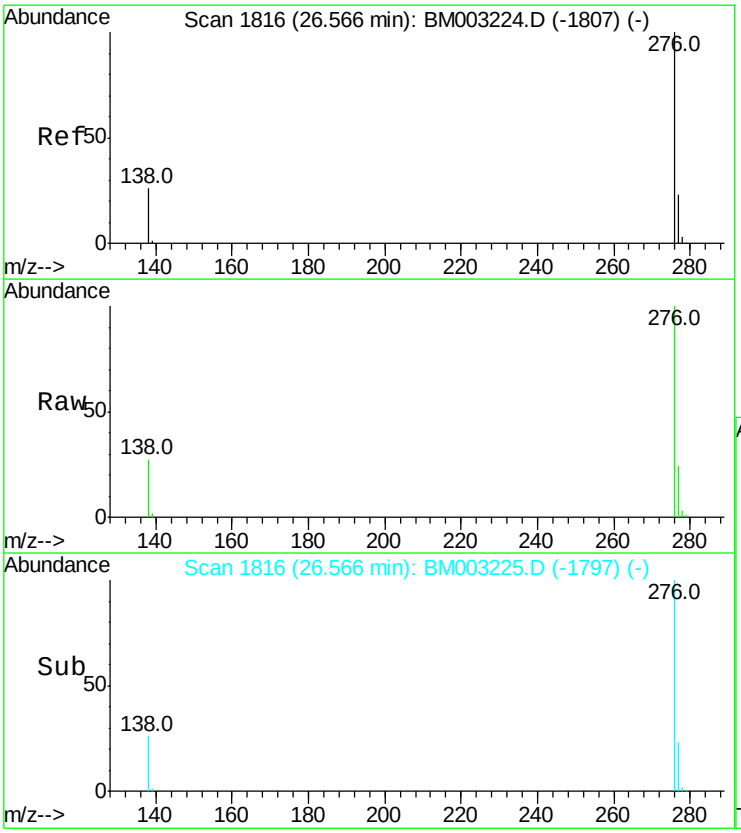
Tgt Ion:278 Resp: 101214

Ion	Ratio	Lower	Upper
278	100		
139	24.7	16.4	24.6#
279	28.1	20.2	30.2



Instrument :
BNA_M
ClientSampleId :
A4J46

Manual Integrations APPROVED
Mmdadoda
11/23/2015 6:58:41 PM



#28
Benzo(g,h,i)perylene
Concen: 1.83 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003225.D
Acq: 20 Nov 2015 17:32

Tgt Ion:276 Resp: 366957

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	26.9	22.5	33.7