Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003589.D
Acq On : 16 Dec 2015 22:06
Operator : UM/IZ
Sample : G4767-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N35

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

Quant Time: Dec 17 07:59:12 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	4703	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	19797	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.35	164	77208	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.12	188	23216	0.40	ng/ul	0.02
18) Chrysene-d12	21.32	240	23220	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	18299	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	10363	5.16	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	4369	0.18	ng/ul	0.00
16) Fluoranthene-d10	19.04	212	94222m	1.91	ng/ul	-0.10
Target Compounds						Qvalue
5) Naphthalene	10.58	128	26671946	598.04	ng/ul#	86
7) 2-Methylnaphthalene	12.19	142	12075083	403.30	ng/ul	96
9) Acenaphthylene	14.07	152	1214572	4.12	ng/ul#	92
10) Acenaphthene	14.45	153	15822895	66.56	ng/ul#	86
11) Fluorene	15.44	166	14774754	56.07	ng/ul	86
14) Phenanthrene	17.21	178	33708535	562.93	ng/ul#	83
15) Anthracene	17.26	178	6703239	129.40	ng/ul#	93
17) Fluoranthene	19.21	202	23331765	358.80	ng/ul	87
19) Pyrene	19.57	202	17088915	272.62	ng/ul#	85
20) Benzo(a)anthracene	21.30	228	4994975	88.11	ng/ul#	91
21) Chrysene	21.35	228	4310471m	66.36	ng/ul	
23) Benzo(b)fluoranthene	22.88	252	2683349m	42.96	ng/ul	
24) Benzo(k)fluoranthene	22.92	252	762129m	13.46	ng/ul	
25) Benzo(a)pyrene	23.45	252	1413481	26.83	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	25.82	276	413703	6.77	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.82	278	126142	2.56	ng/ul	95
28) Benzo(g,h,i)perylene	26.52	276	307923	5.79	ng/ul	96

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

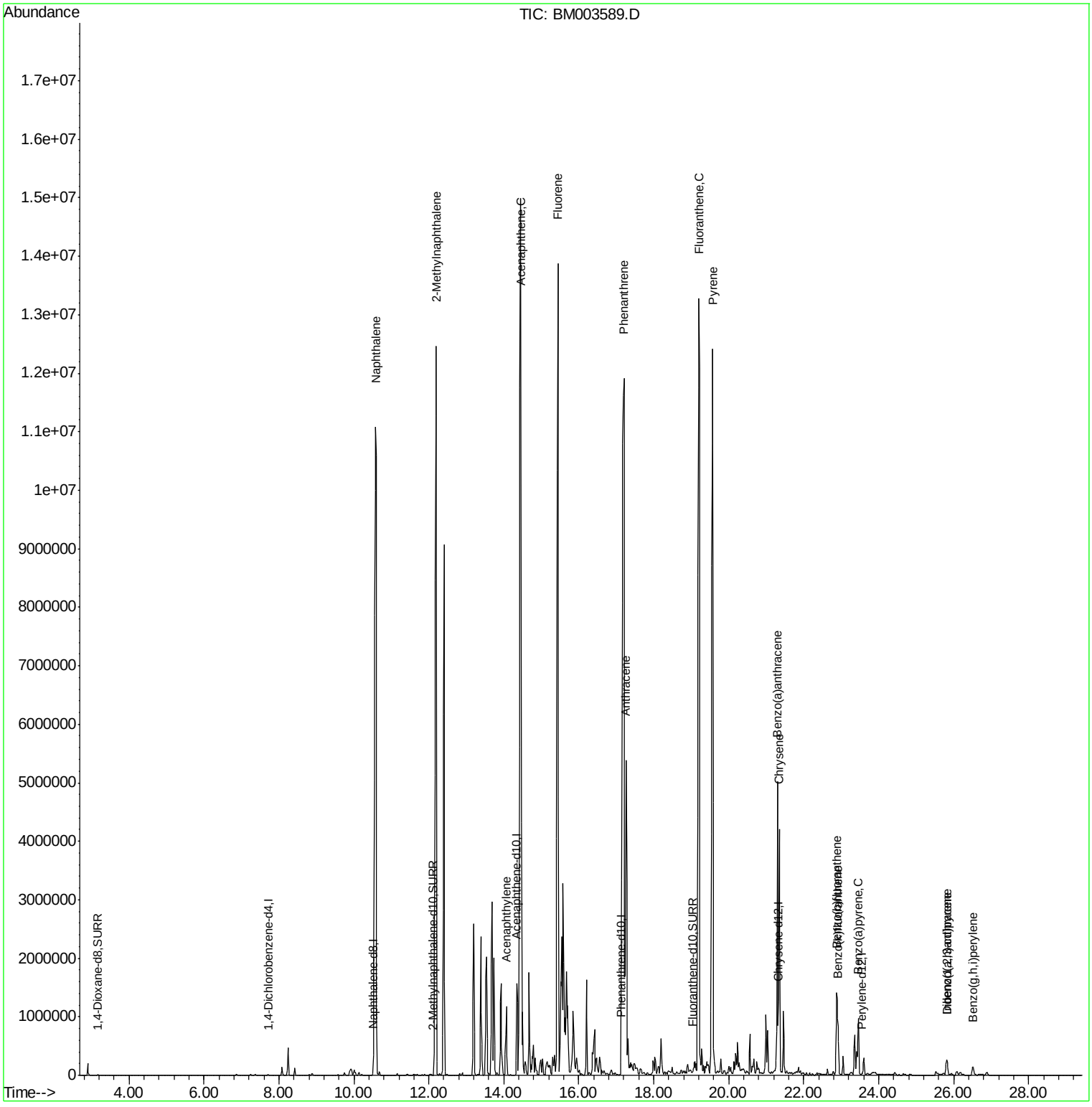
Quantitation Report (QT Reviewed)

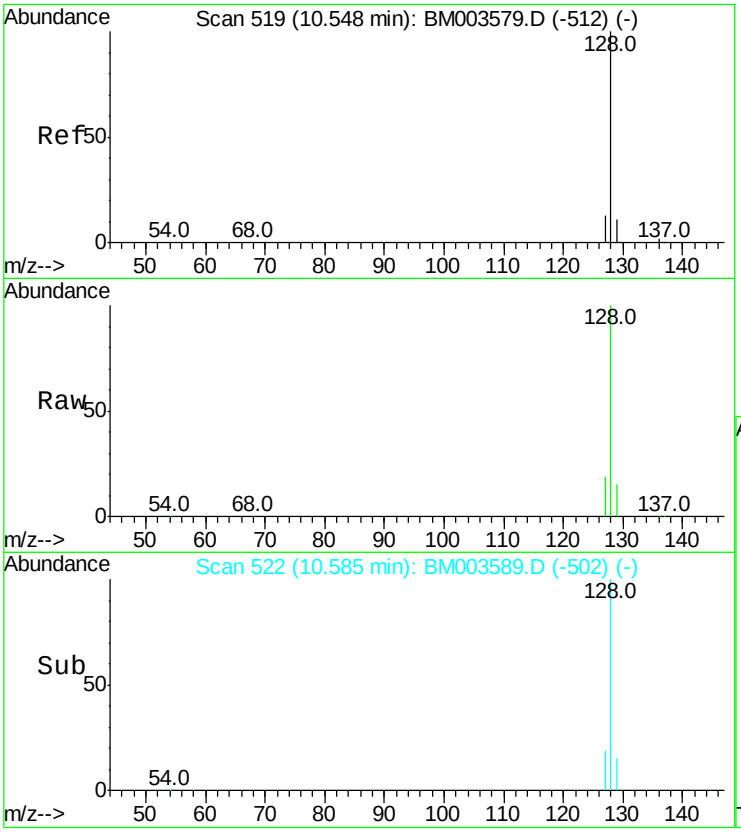
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003589.D
Acq On : 16 Dec 2015 22:06
Operator : UM/IZ
Sample : G4767-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 17 07:59:12 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

Instrument :
BNA_M
ClientSampleId :
D9N35

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

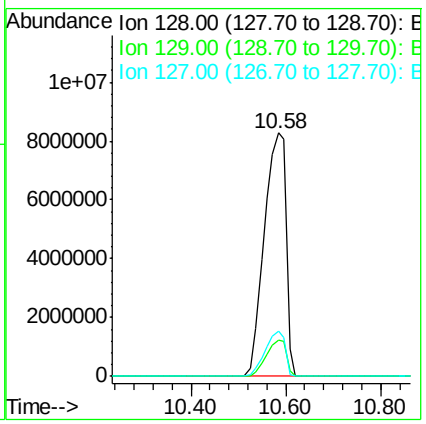




#5
Naphthalene
Concen: 598.04 ng/ul
RT: 10.58 min Scan# 522
Delta R.T. 0.04 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

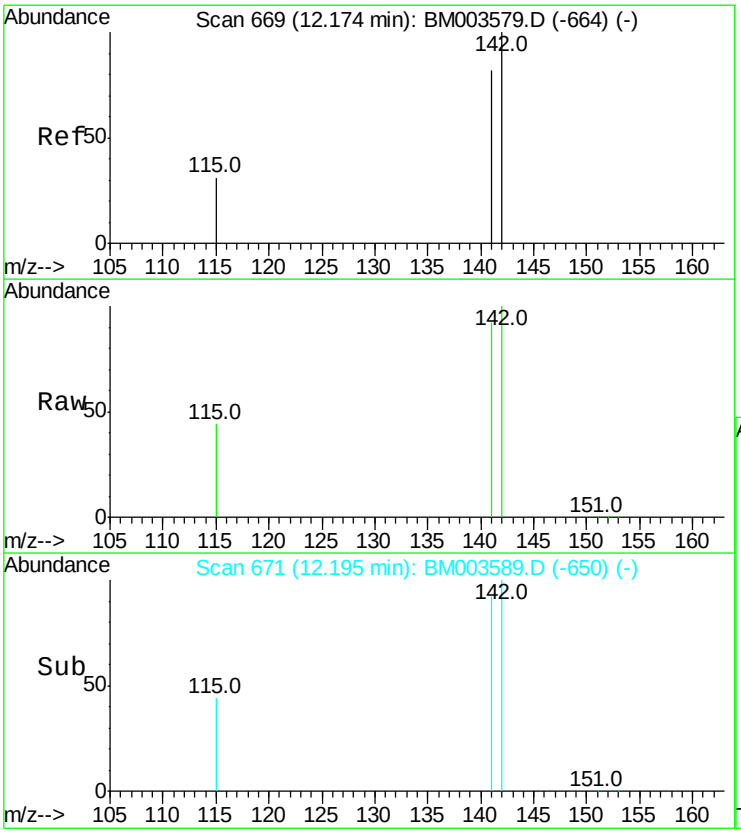
Tgt Ion:128 Resp:26671946

Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.0	13.6#
127	18.8	9.6	14.4#



Instrument :
BNA_M
ClientSampleId :
D9N35

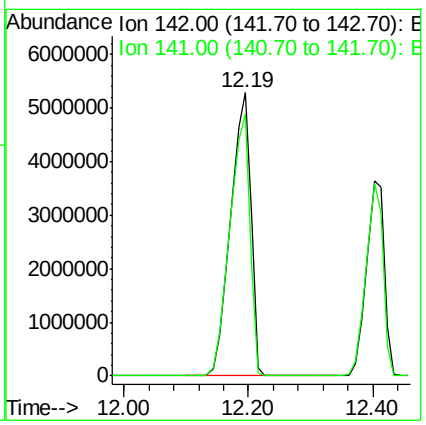
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

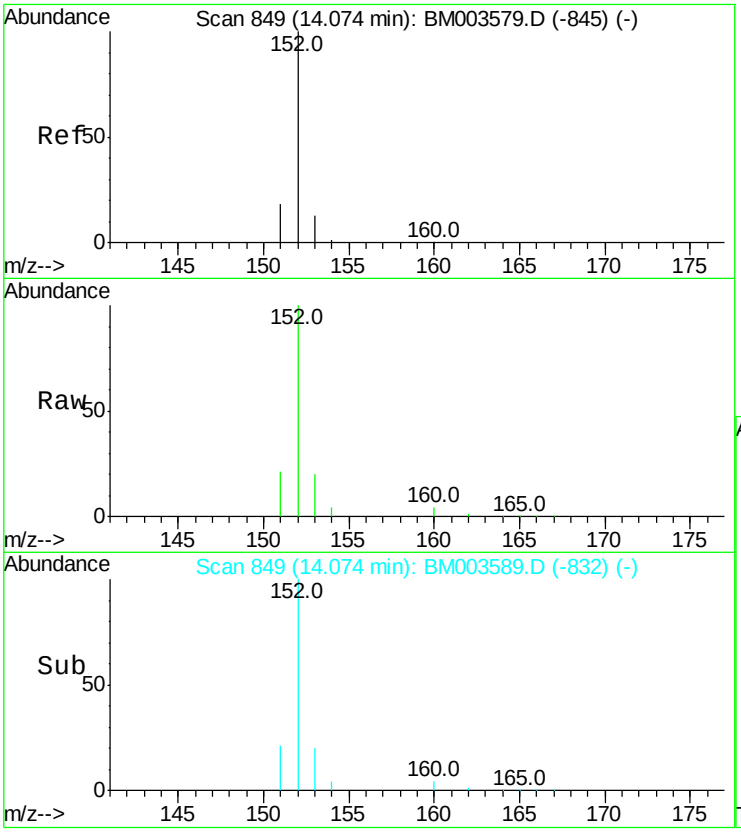


#7
2-Methylnaphthalene
Concen: 403.30 ng/ul
RT: 12.19 min Scan# 671
Delta R.T. 0.02 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:142 Resp:12075083

Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.3	105.5

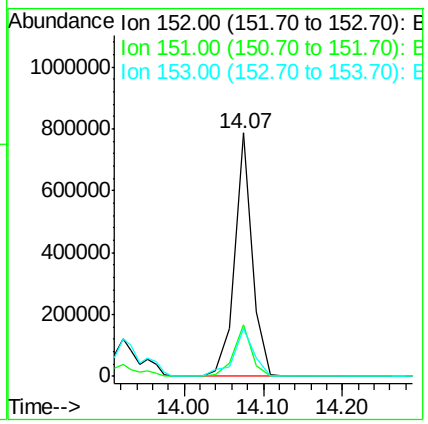




#9
Acenaphthylene
Concen: 4.12 ng/ul
RT: 14.07 min Scan# 849
Delta R.T. -0.00 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

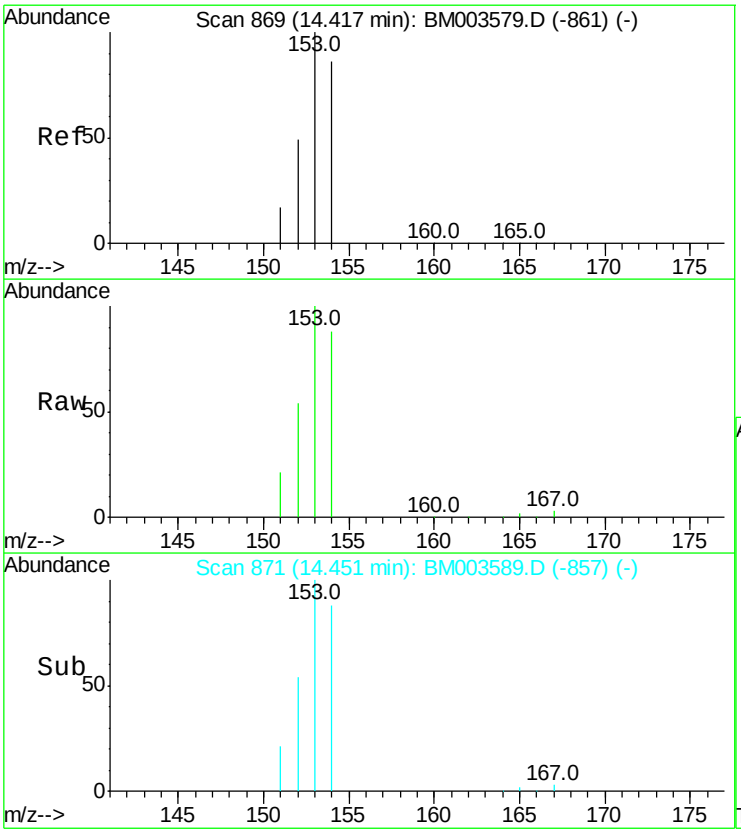
Tgt Ion:152 Resp: 1214572

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.6	26.4
153	19.8	9.7	14.5#



Instrument :
BNA_M
ClientSampleId :
D9N35

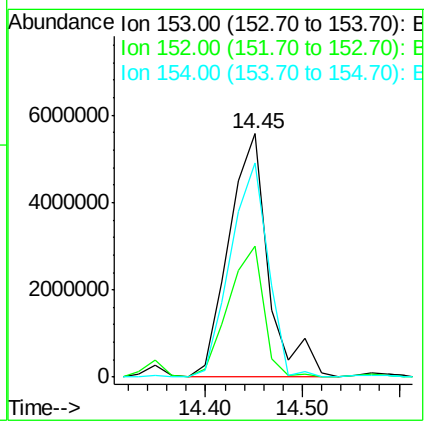
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

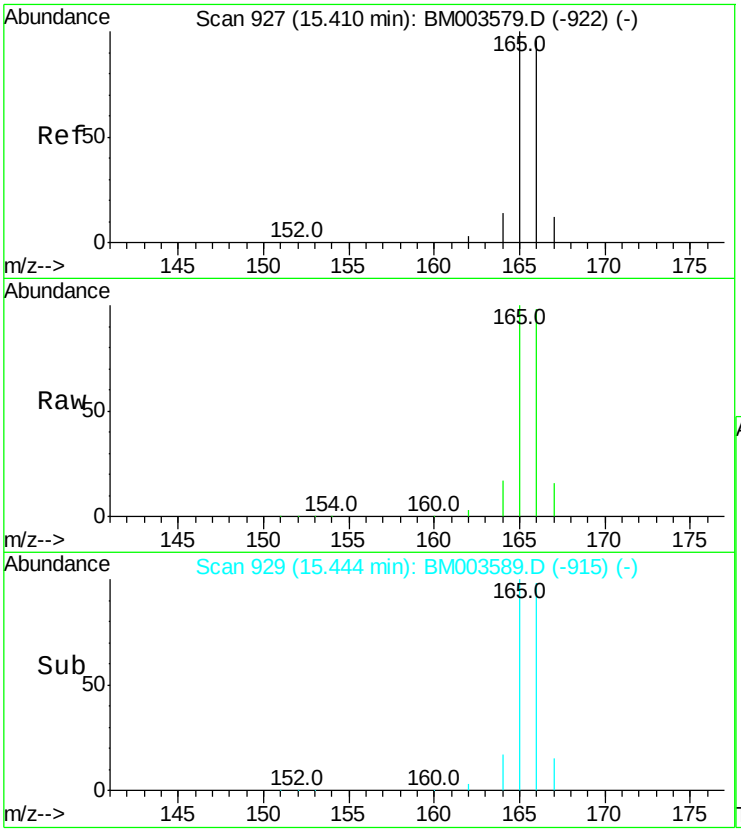


#10
Acenaphthene
Concen: 66.56 ng/ul
RT: 14.45 min Scan# 871
Delta R.T. 0.03 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:153 Resp:15822895

Ion	Ratio	Lower	Upper
153	100		
152	53.8	33.9	50.9#
154	87.9	80.6	121.0

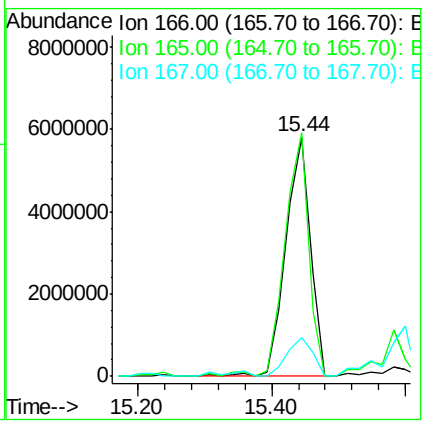




#11
Fluorene
Concen: 56.07 ng/ul
RT: 15.44 min Scan# 929
Delta R.T. 0.03 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

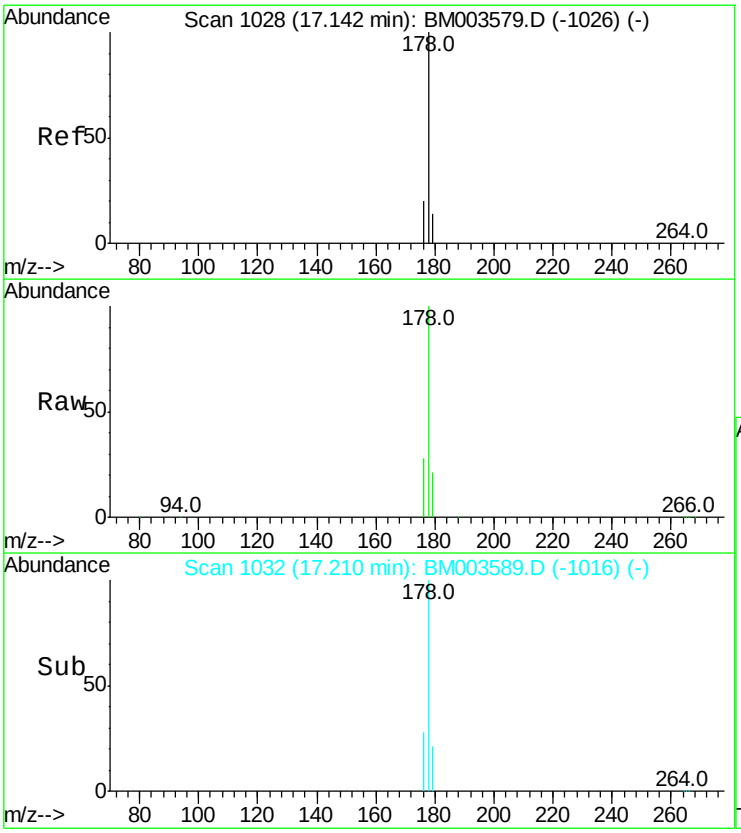
Tgt Ion:166 Resp:14774754

Ion	Ratio	Lower	Upper
166	100		
165	102.1	69.6	104.4
167	16.3	11.9	17.9



Instrument :
BNA_M
ClientSampleId :
D9N35

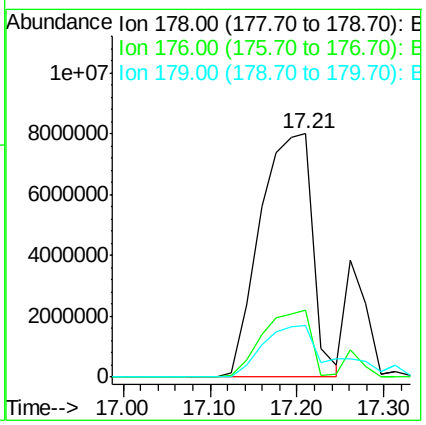
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

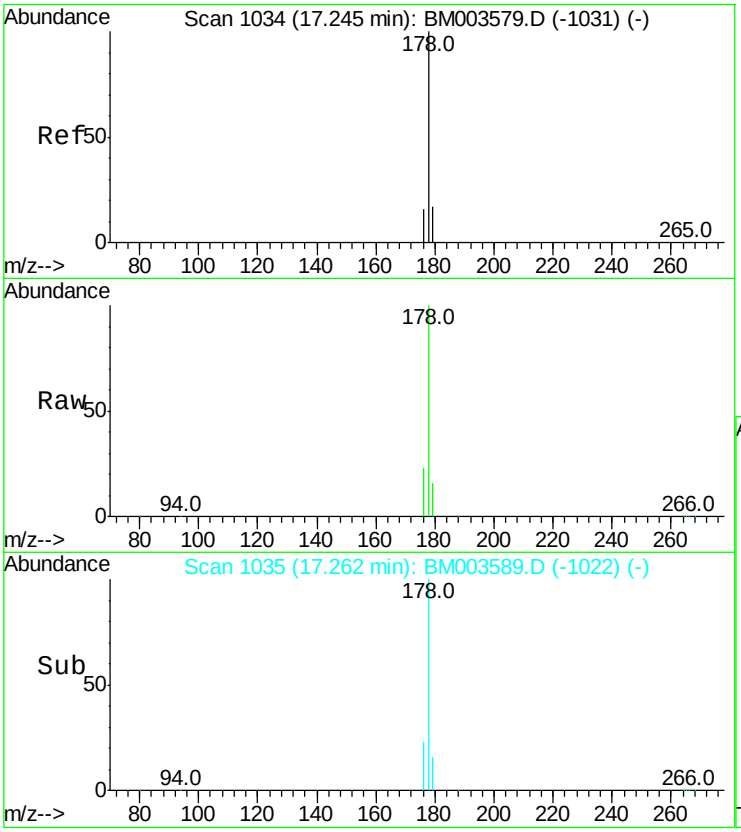


#14
Phenanthrene
Concen: 562.93 ng/ul
RT: 17.21 min Scan# 1032
Delta R.T. 0.07 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:178 Resp:33708535

Ion	Ratio	Lower	Upper
178	100		
176	27.6	13.0	19.4#
179	21.1	14.2	21.2

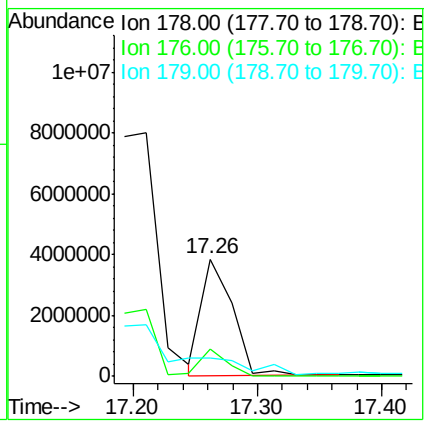




#15
Anthracene
Concen: 129.40 ng/ul
RT: 17.26 min Scan# 1035
Delta R.T. 0.02 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

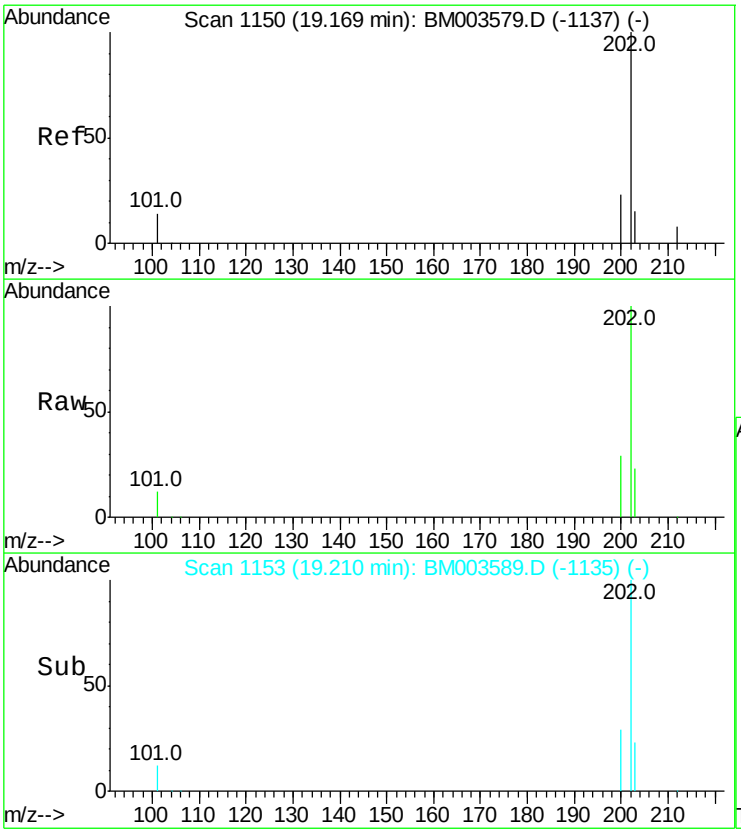
Tgt Ion:178 Resp: 6703239

Ion	Ratio	Lower	Upper
178	100		
176	23.1	14.0	21.0#
179	16.1	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
D9N35

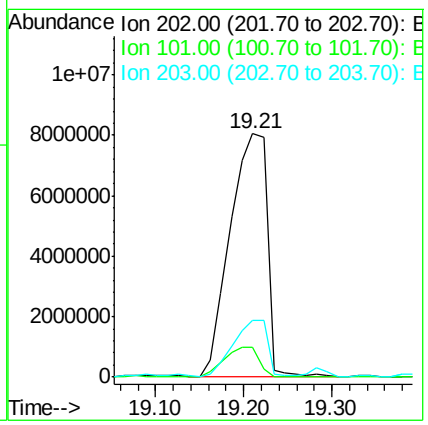
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

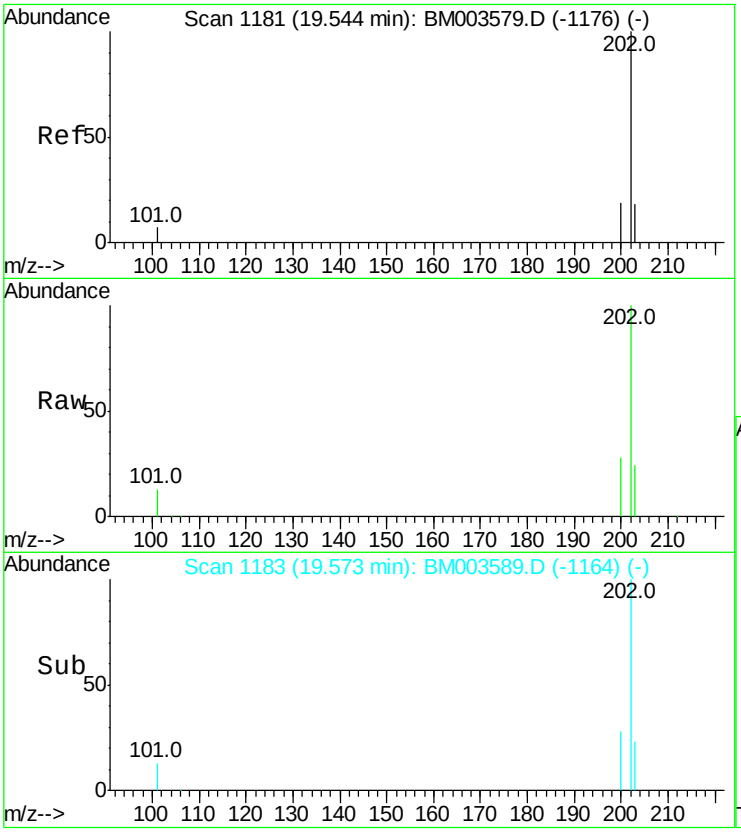


#17
Fluoranthene
Concen: 358.80 ng/ul
RT: 19.21 min Scan# 1153
Delta R.T. 0.04 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:202 Resp:23331765

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	29.6
203	23.2	0.0	36.3





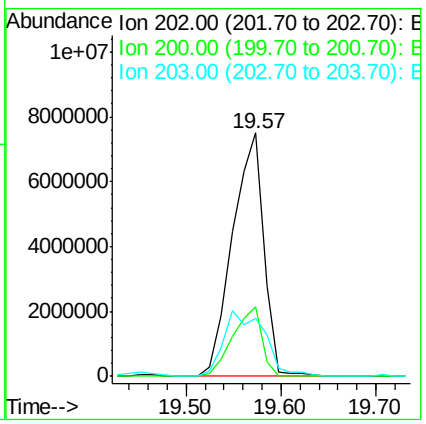
#19
Pyrene
Concen: 272.62 ng/ul
RT: 19.57 min Scan# 1183
Delta R.T. 0.03 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

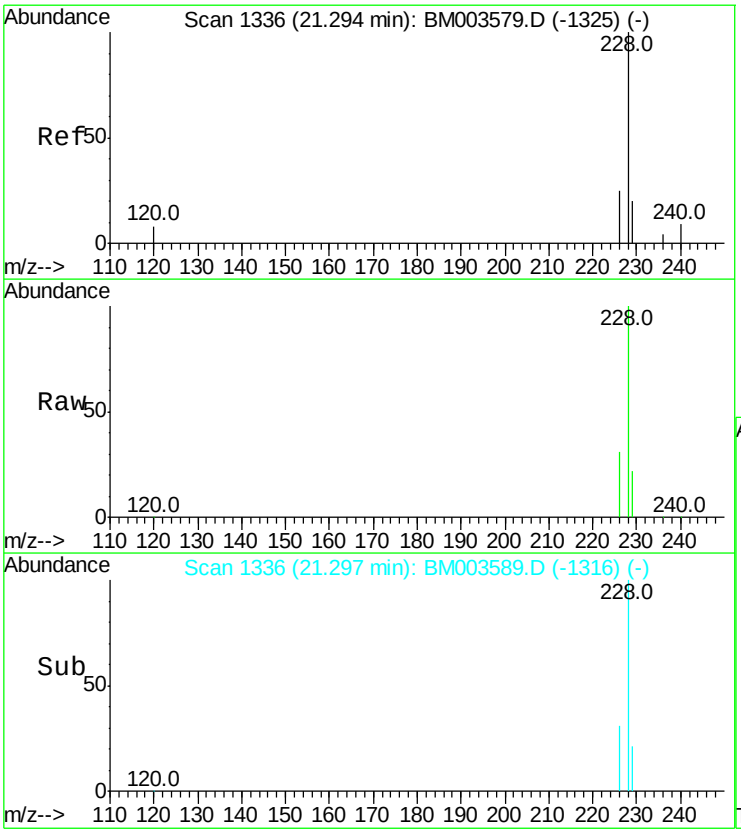
Tgt Ion:202 Resp:17088915

Ion	Ratio	Lower	Upper
202	100		
200	28.3	17.8	26.8#
203	23.7	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
D9N35

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

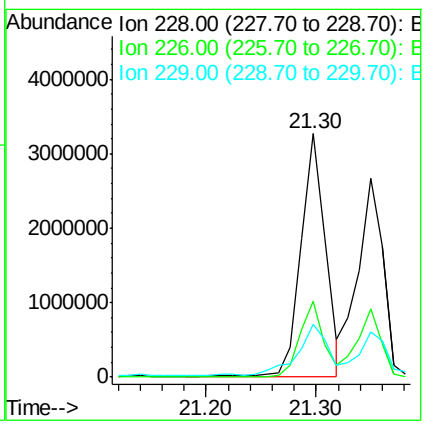


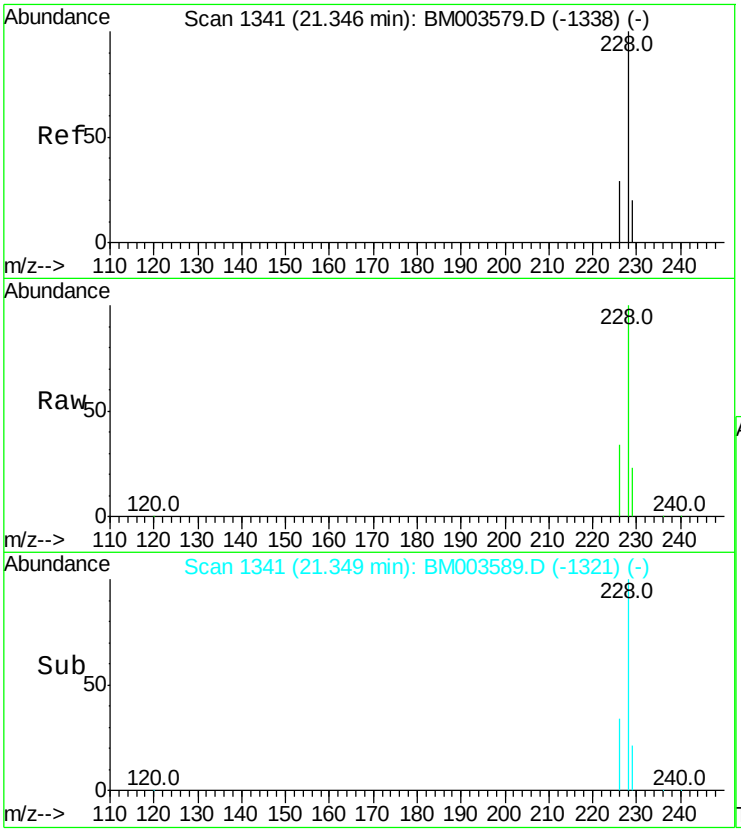


#20
Benzo(a)anthracene
Concen: 88.11 ng/ul
RT: 21.30 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:228 Resp: 4994975

Ion	Ratio	Lower	Upper
228	100		
226	31.4	18.8	28.2#
229	21.8	17.1	25.7

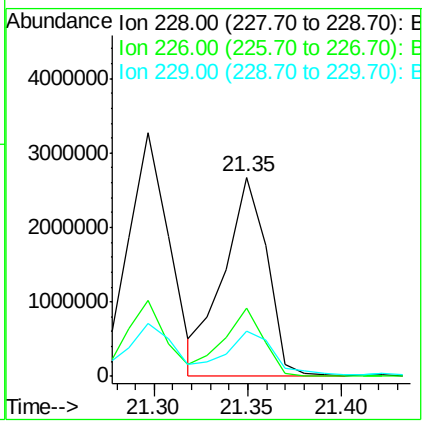




#21
Chrysene
Concen: 66.36 ng/ul m
RT: 21.35 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

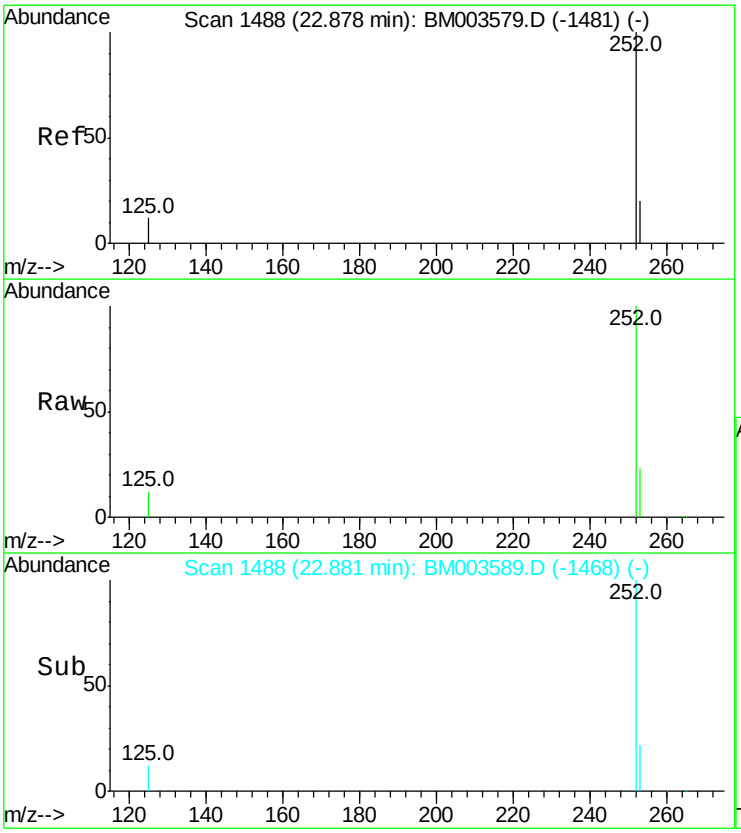
Tgt Ion:228 Resp: 4310471

Ion	Ratio	Lower	Upper
228	100		
226	34.3	21.2	31.8#
229	22.5	17.0	25.6



Instrument :
BNA_M
ClientSampleId :
D9N35

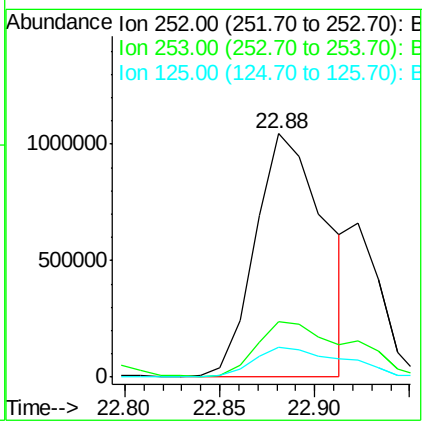
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

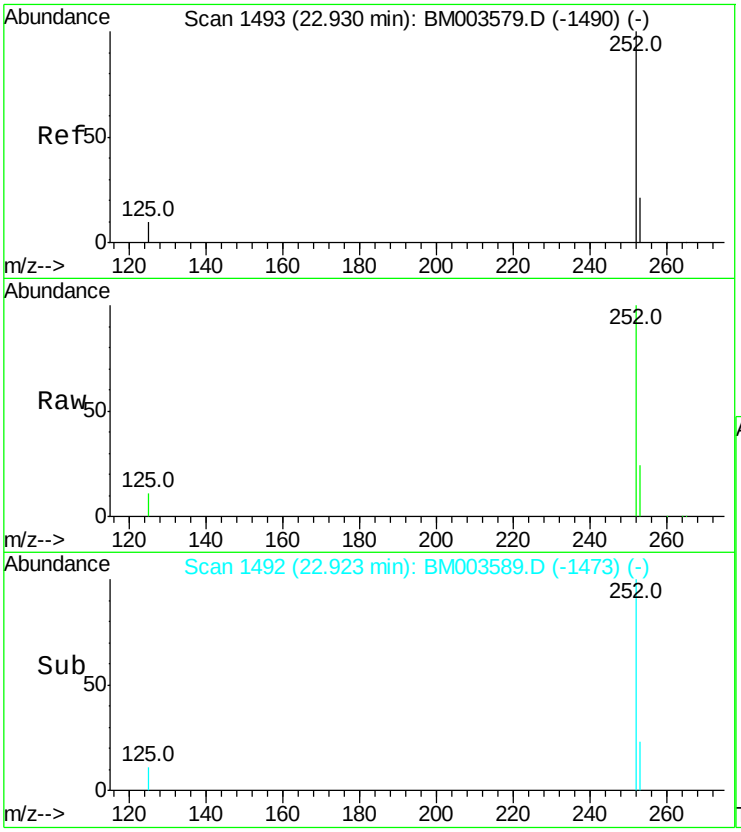


#23
Benzo(b)fluoranthene
Concen: 42.96 ng/ul m
RT: 22.88 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:252 Resp: 2683349

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	45.4
125	12.1	0.0	28.8





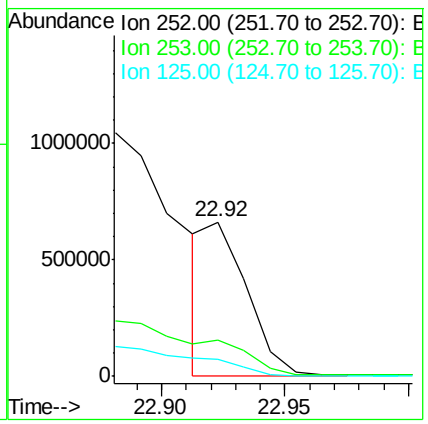
#24
Benzo(k)fluoranthene
Concen: 13.46 ng/ul m
RT: 22.92 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

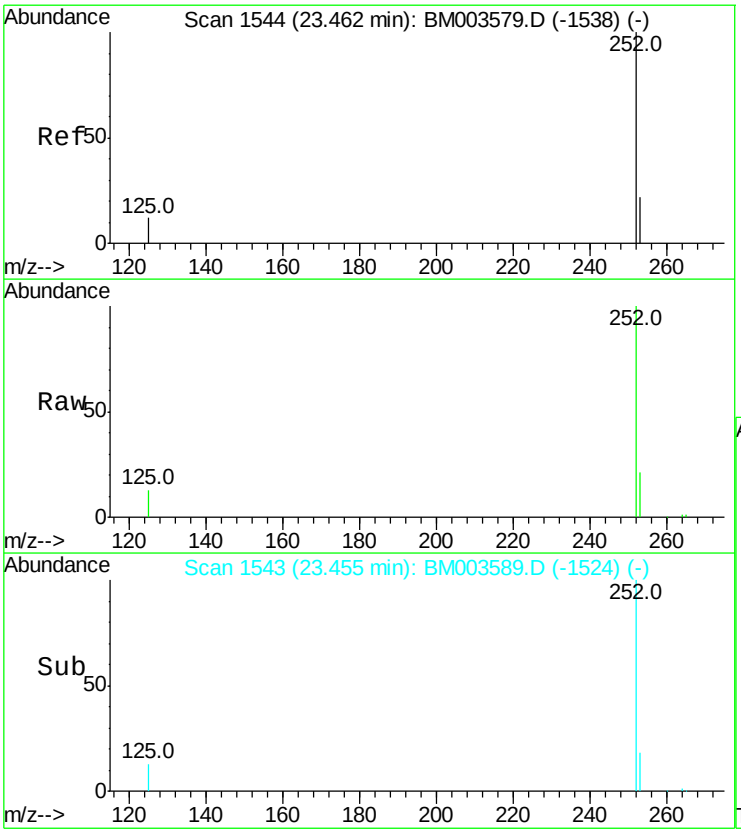
Tgt Ion:252 Resp: 762129

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.8	29.8
125	11.1	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
D9N35

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

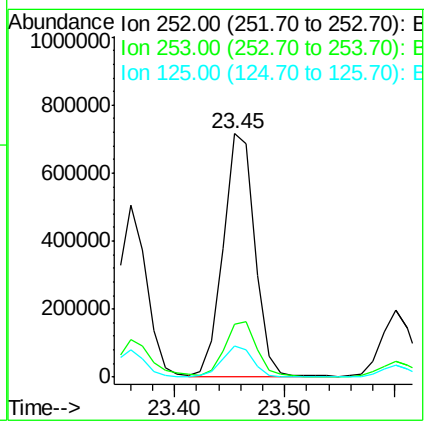


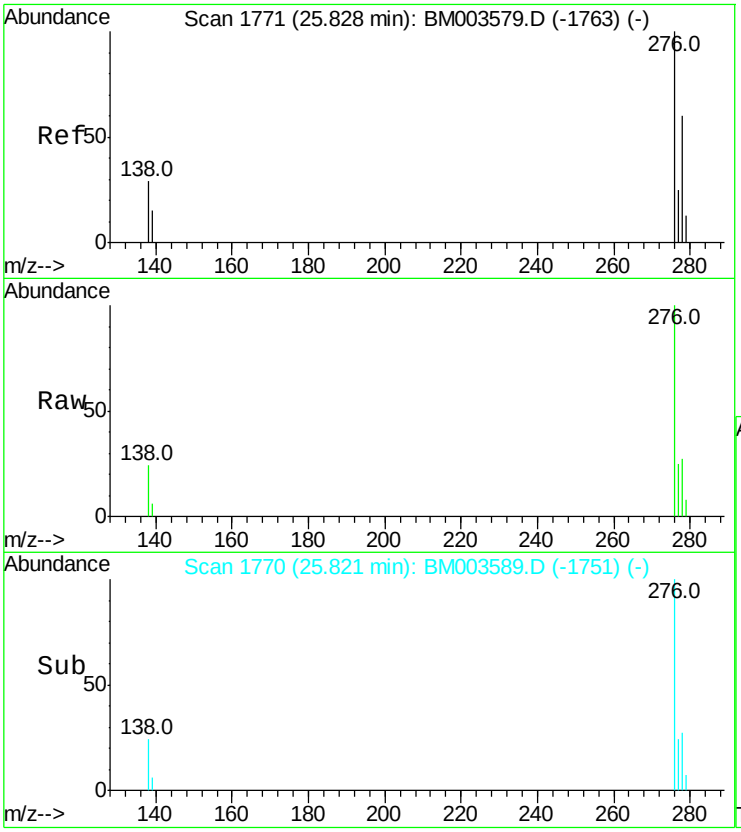


#25
Benzo(a)pyrene
Concen: 26.83 ng/ul
RT: 23.45 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:252 Resp: 1413481

Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.4	29.2
125	12.9	12.7	19.1





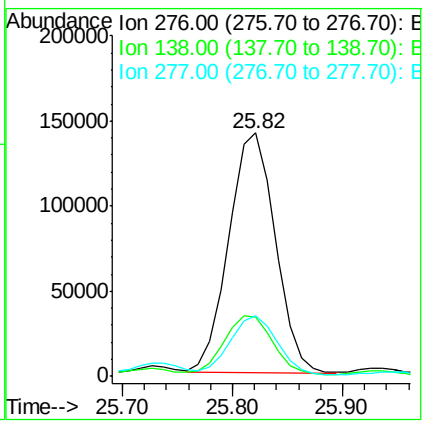
#26
Indeno(1,2,3-cd)pyrene
Concen: 6.77 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

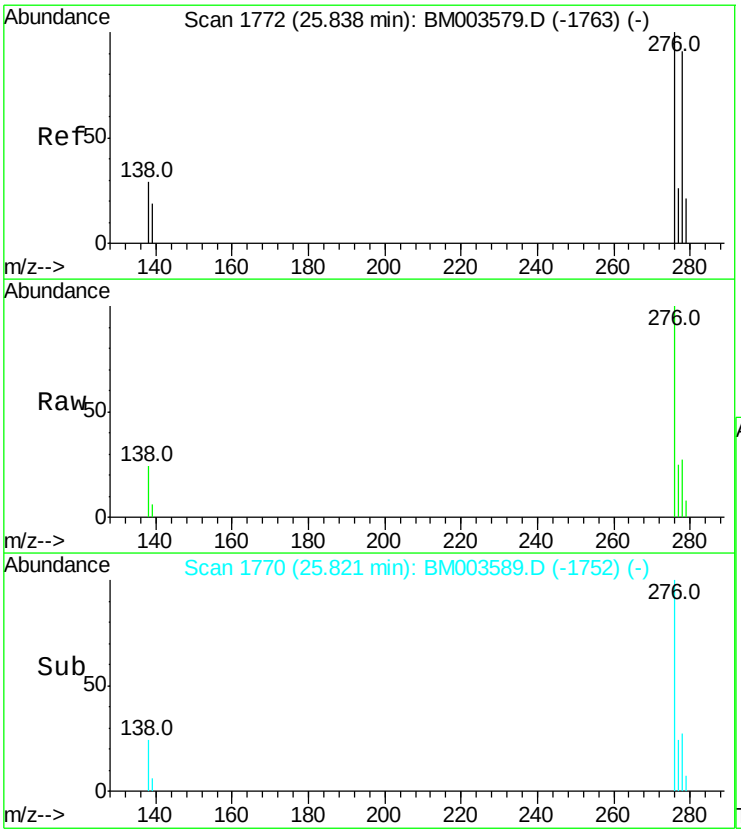
Tgt Ion:276 Resp: 413703

Ion	Ratio	Lower	Upper
276	100		
138	25.3	16.3	24.5#
277	24.5	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
D9N35

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM

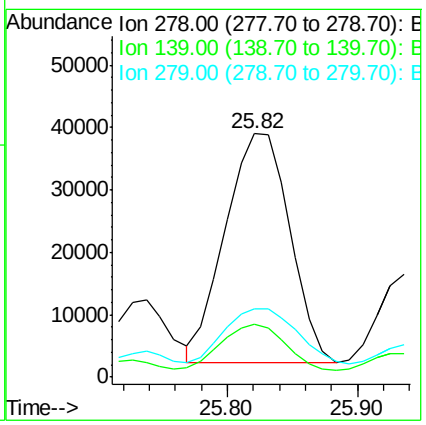


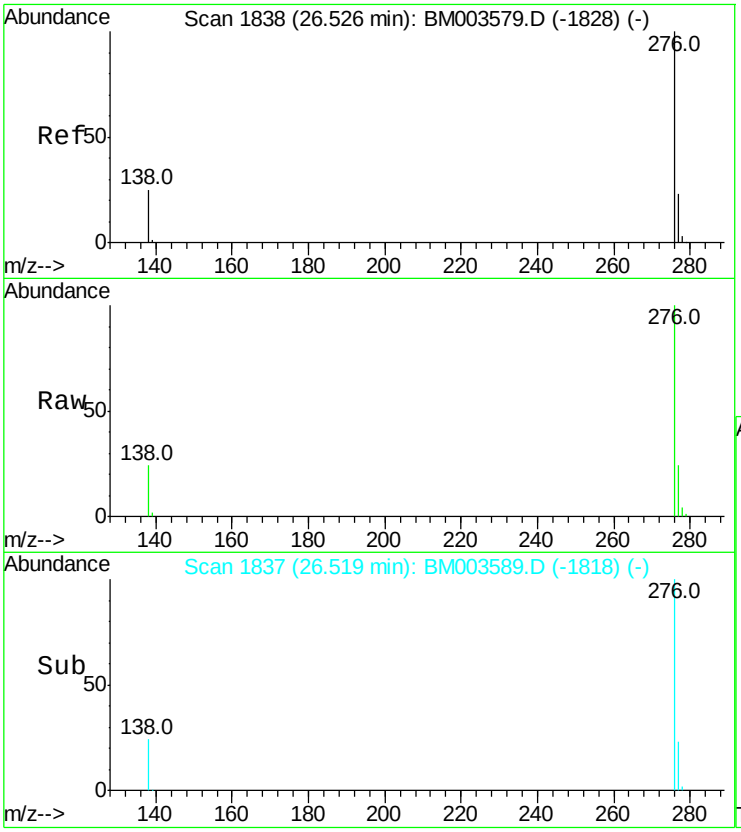


#27
Dibenzo(a,h)anthracene
Concen: 2.56 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:278 Resp: 126142

Ion	Ratio	Lower	Upper
278	100		
139	21.9	16.4	24.6
279	28.2	20.2	30.2

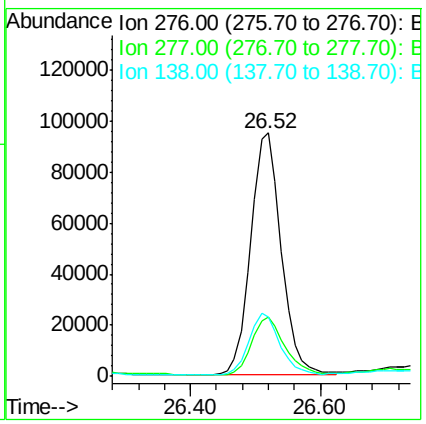




#28
Benzo(g,h,i)perylene
Concen: 5.79 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion:276 Resp: 307923

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	24.3	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
D9N35

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:13 PM