Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003582.D
Acq On : 16 Dec 2015 17:54
Operator : UM/IZ
Sample : G4767-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N28

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:04 PM

Quant Time: Dec 17 06:56:52 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	4813	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20236	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	15065	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	23554m	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	20472	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	20686m	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	23804	11.57	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	8081	0.33	ng/ul	-0.01
16) Fluoranthene-d10	19.14	212	16556	0.33	ng/ul	0.00
Target Compounds						Qvalue
3) 1,4-Dioxane	3.21	88	768	0.29	ng/ul#	100
5) Naphthalene	10.55	128	4693288	102.95	ng/ul	97
7) 2-Methylnaphthalene	12.16	142	1281534	41.87	ng/ul	99
9) Acenaphthylene	14.07	152	123675	2.15	ng/ul#	90
10) Acenaphthene	14.42	153	1839359	39.66	ng/ul	86
11) Fluorene	15.41	166	1811049	35.22	ng/ul	84
14) Phenanthrene	17.14	178	6325695m	104.12	ng/ul	
15) Anthracene	17.24	178	1108826	21.10	ng/ul	95
17) Fluoranthene	19.18	202	3282888	49.76	ng/ul	92
19) Pyrene	19.54	202	2307509	41.75	ng/ul	95
20) Benzo(a)anthracene	21.29	228	469895	9.40	ng/ul	98
21) Chrysene	21.35	228	371971	6.50	ng/ul	98
23) Benzo(b)fluoranthene	22.88	252	202095m	2.86	ng/ul	
24) Benzo(k)fluoranthene	22.92	252	69386m	1.08	ng/ul	
25) Benzo(a)pyrene	23.46	252	119106m	2.00	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.83	276	32013m	0.46	ng/ul	
27) Dibenzo(a,h)anthracene	25.84	278	9030m	0.16	ng/ul	
28) Benzo(g,h,i)perylene	26.52	276	26389m	0.44	ng/ul	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003582.D
Acq On : 16 Dec 2015 17:54
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Sample : G4767-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 06:56:52 2015
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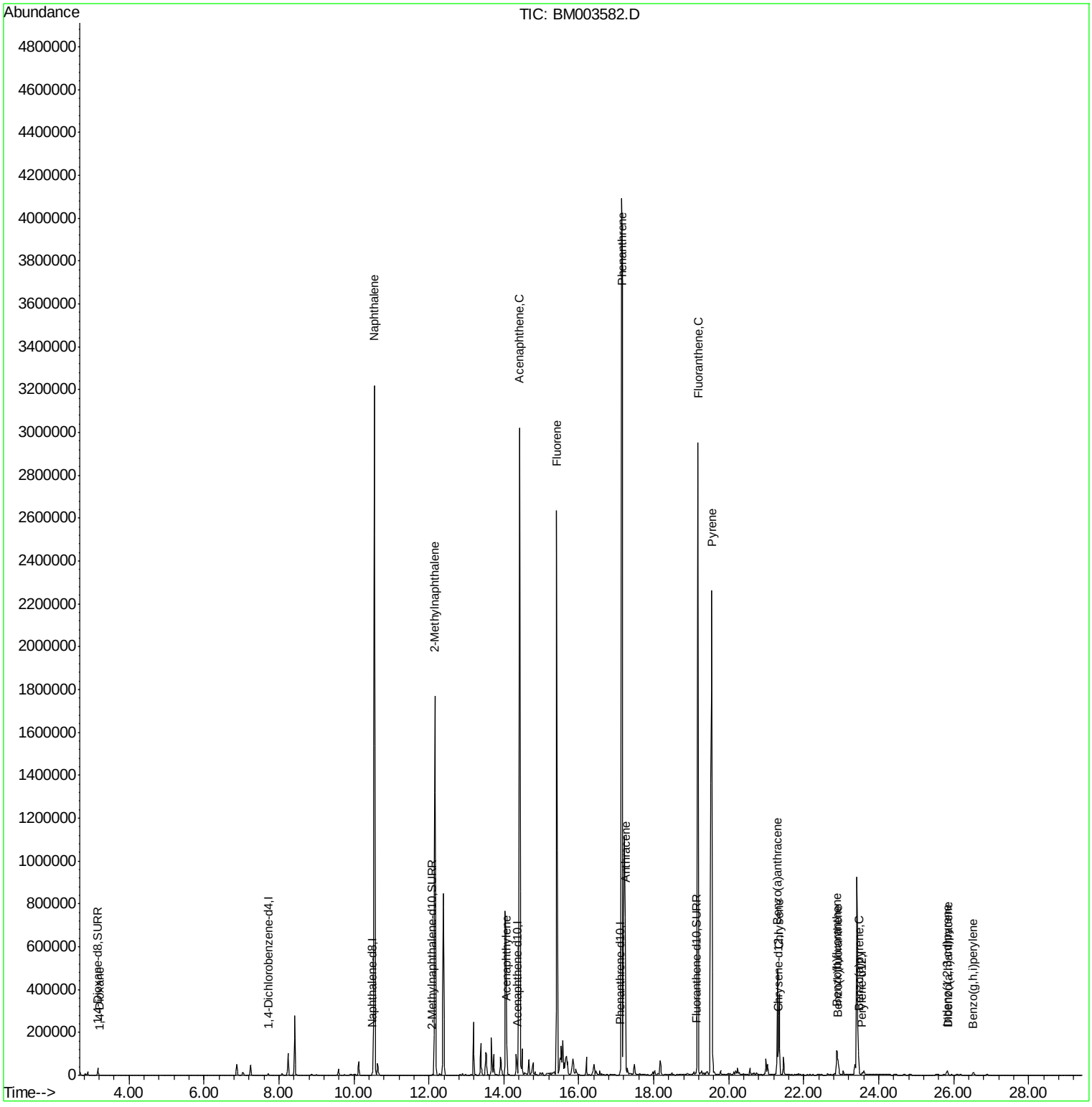
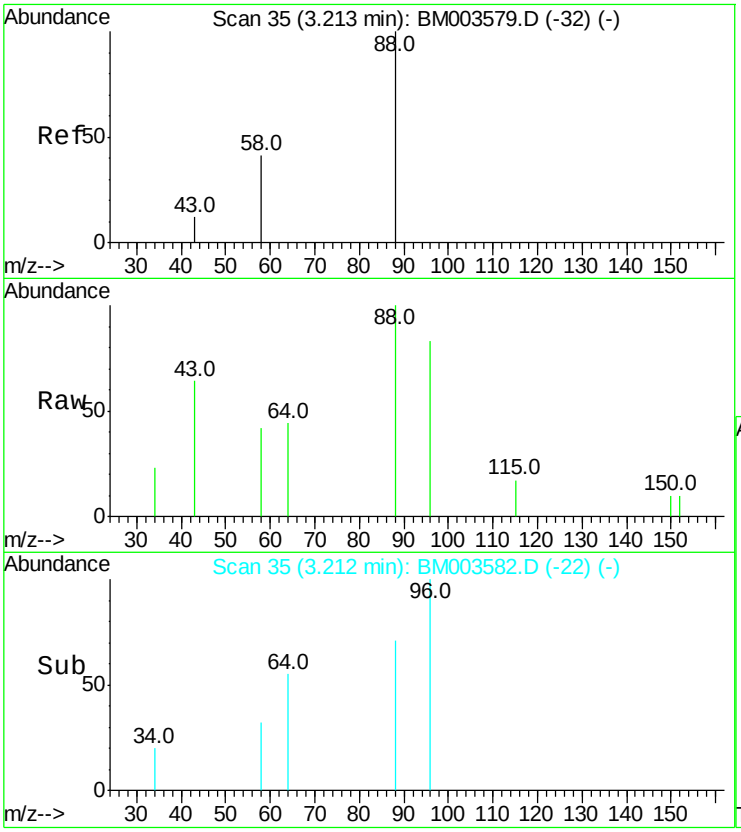
Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:04 PM

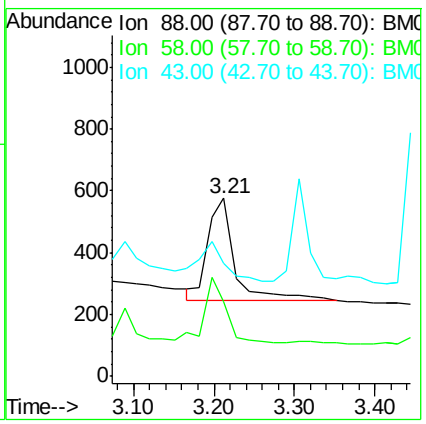




#3
1,4-Dioxane
Concen: 0.29 ng/ul
RT: 3.21 min Scan# 35
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion: 88 Resp: 768

Ion	Ratio	Lower	Upper
88	100		
58	55.5	0.0	0.0#
43	39.7	0.0	0.0#



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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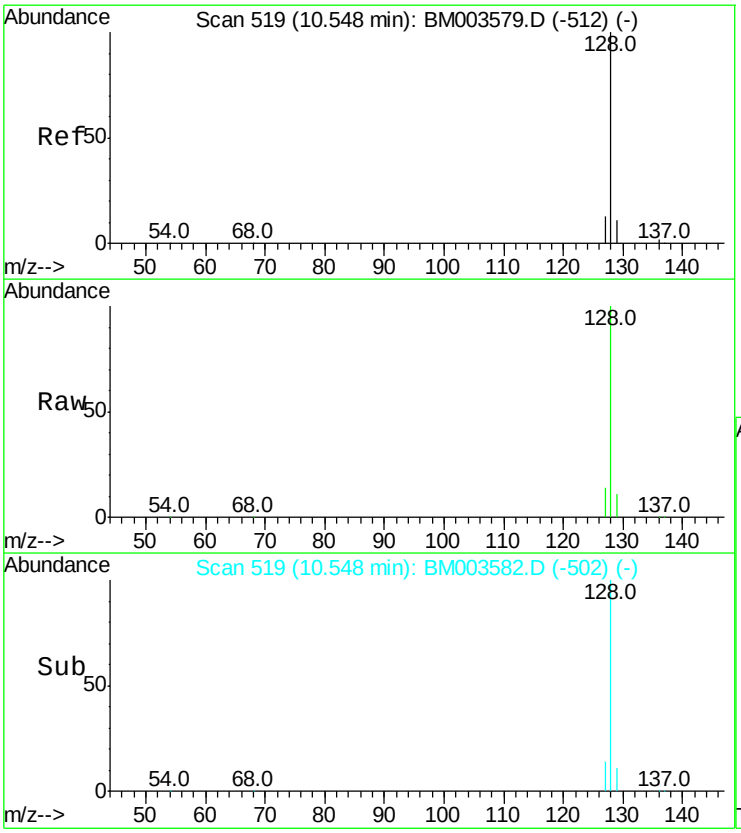
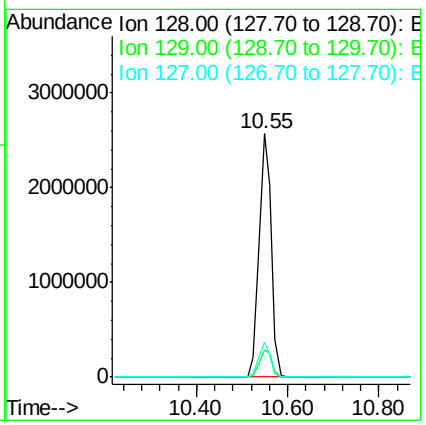
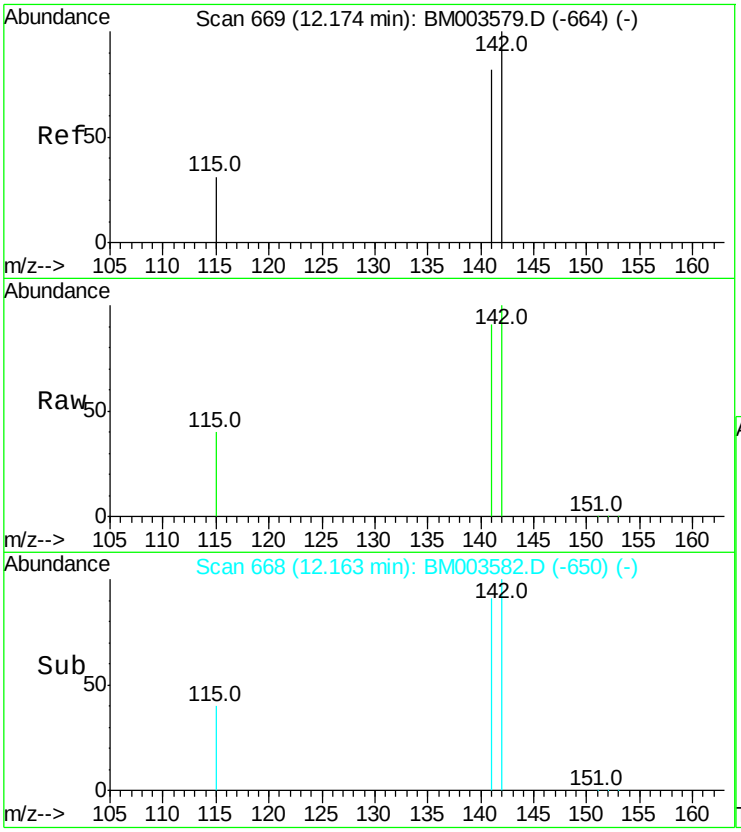


#5
Naphthalene
Concen: 102.95 ng/ul
RT: 10.55 min Scan# 519
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:128 Resp: 4693288

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	14.1	9.6	14.4

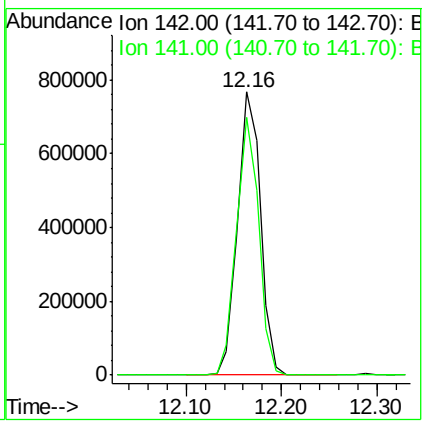




#7
2-Methylnaphthalene
Concen: 41.87 ng/ul
RT: 12.16 min Scan# 668
Delta R.T. -0.01 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:142 Resp: 1281534

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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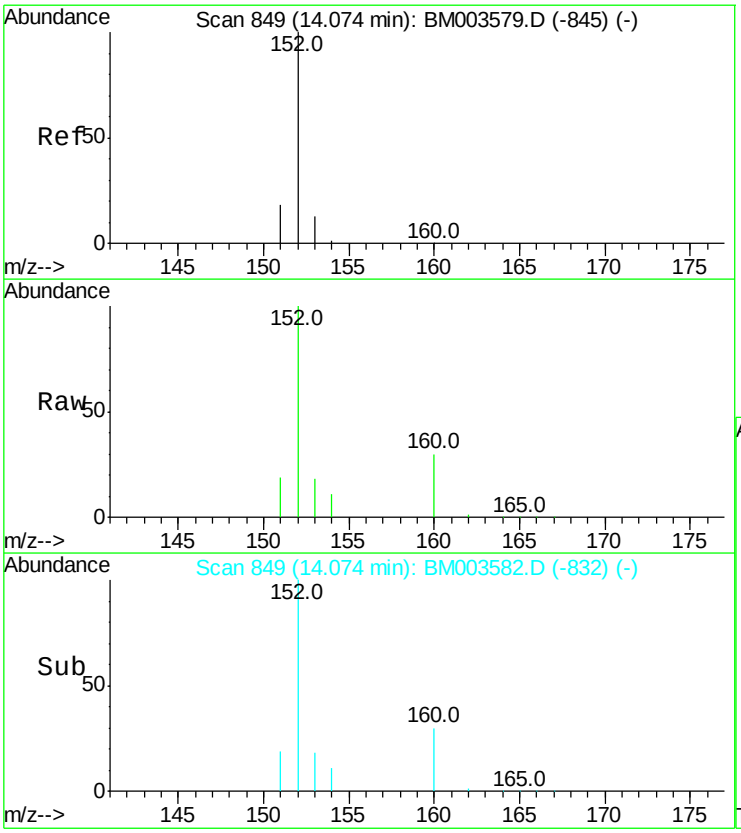
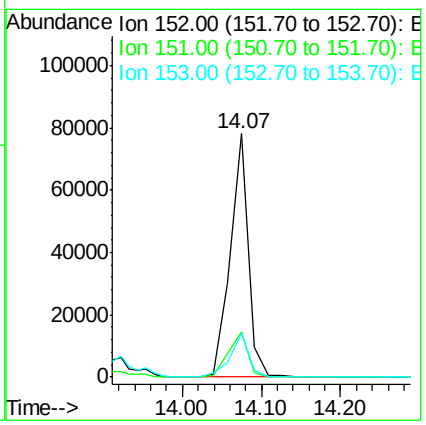
12/17/2015 5:36:04 PM

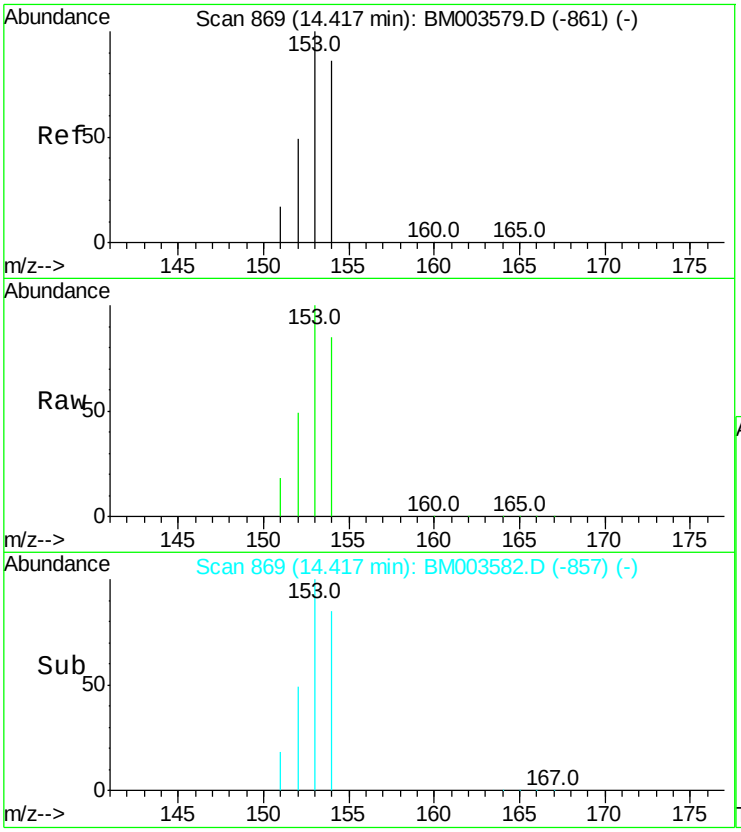


#9
Acenaphthylene
Concen: 2.15 ng/ul
RT: 14.07 min Scan# 849
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:152 Resp: 123675

Ion	Ratio	Lower	Upper
152	100		
151	18.6	17.6	26.4
153	17.9	9.7	14.5#

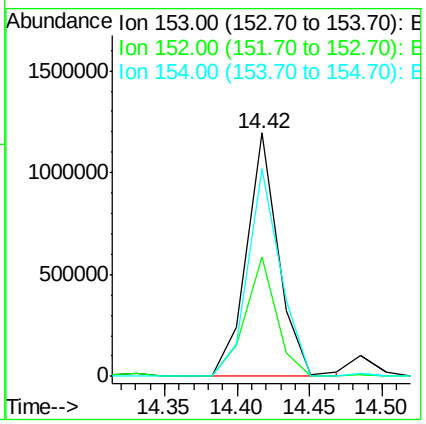




#10
Acenaphthene
Concen: 39.66 ng/ul
RT: 14.42 min Scan# 869
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:153 Resp: 1839359

Ion	Ratio	Lower	Upper
153	100		
152	49.2	33.9	50.9
154	85.2	80.6	121.0



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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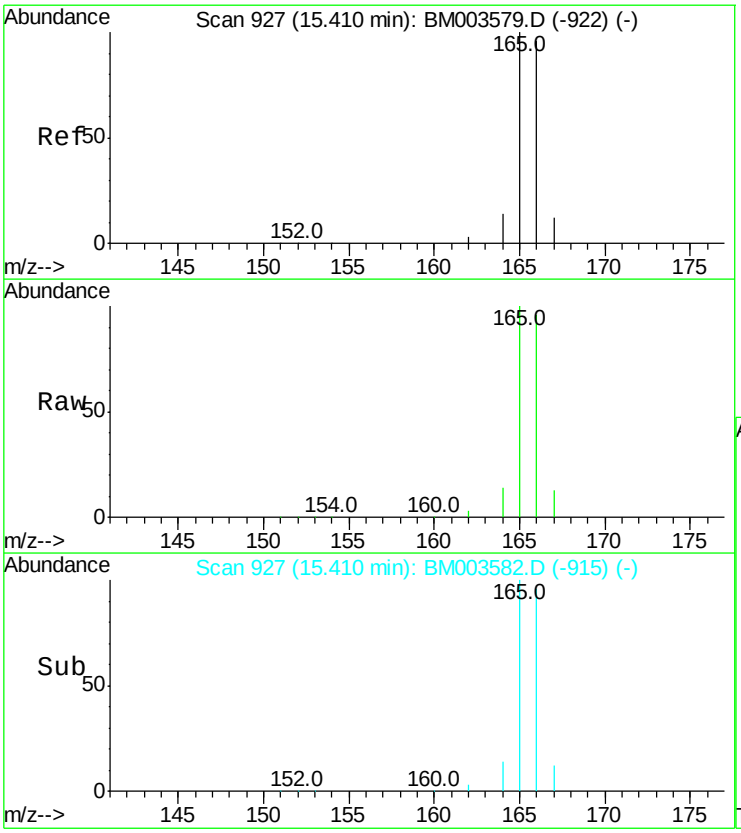
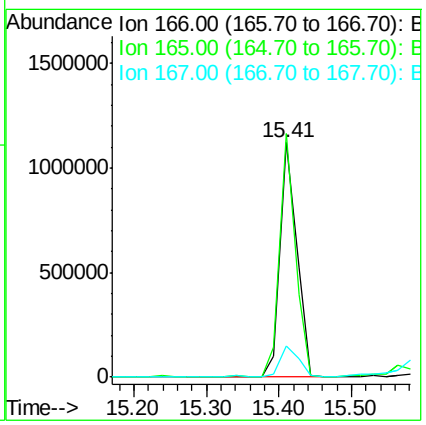
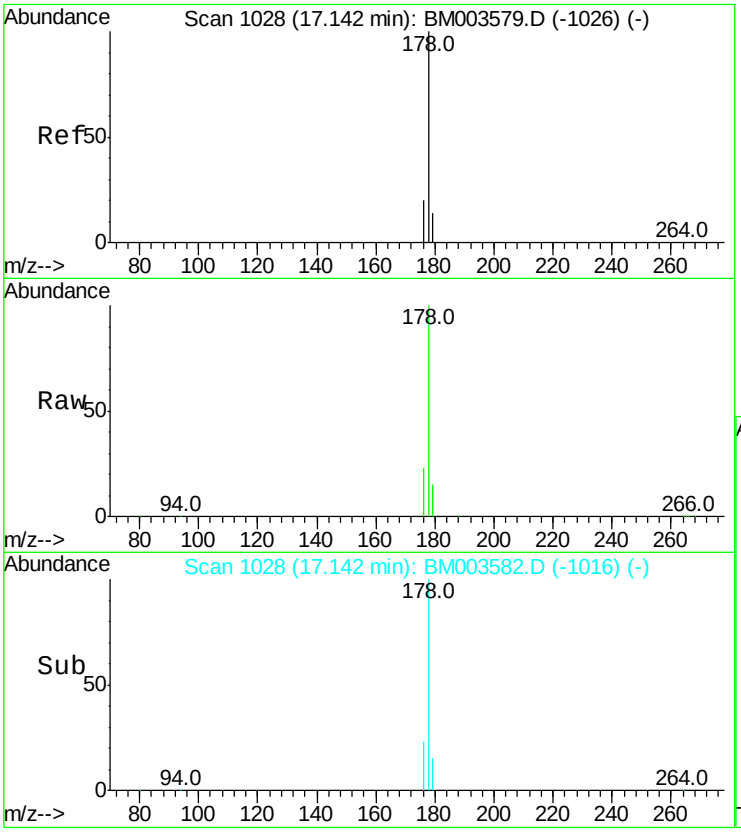


#11
Fluorene
Concen: 35.22 ng/ul
RT: 15.41 min Scan# 927
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:166 Resp: 1811049

Ion	Ratio	Lower	Upper
166	100		
165	104.0	69.6	104.4
167	13.2	11.9	17.9

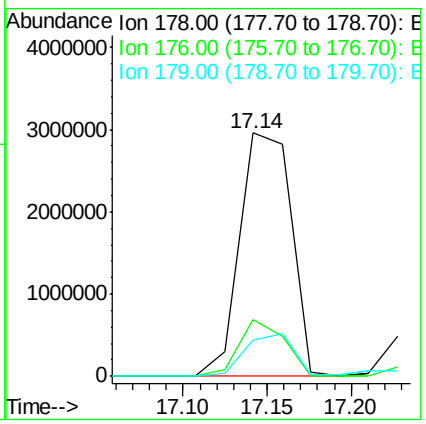




#14
Phenanthrene
Concen: 104.12 ng/ul m
RT: 17.14 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:178 Resp: 6325695

Ion	Ratio	Lower	Upper
178	100		
176	23.1	13.0	19.4#
179	15.1	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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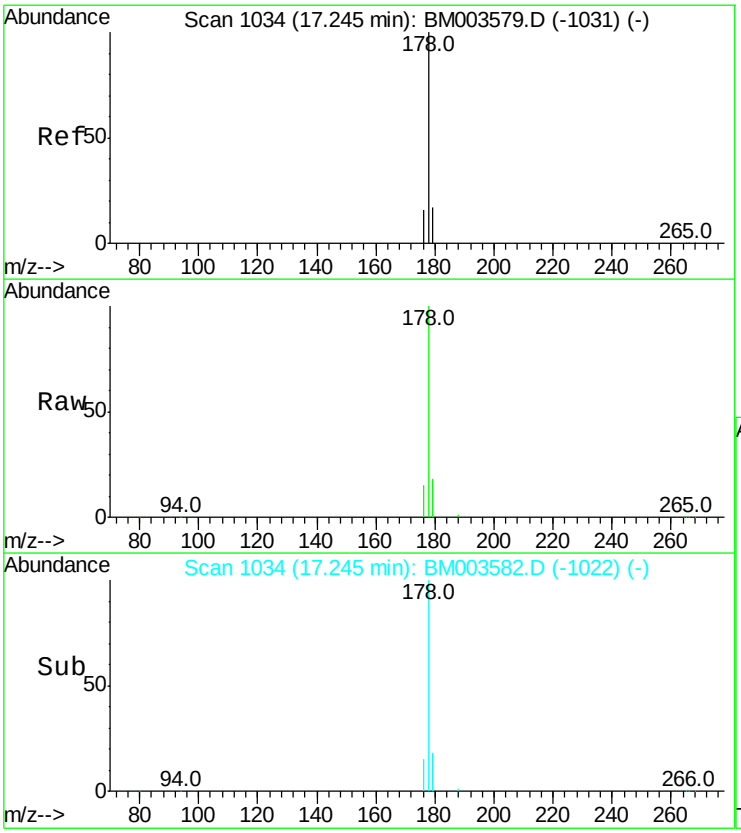
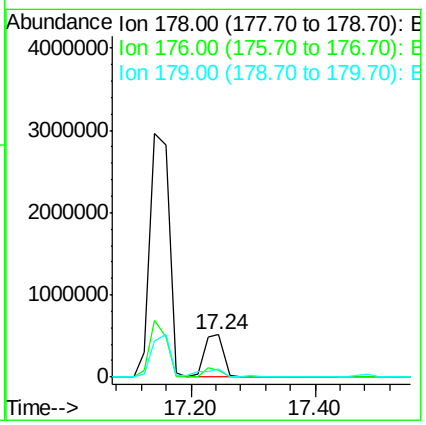
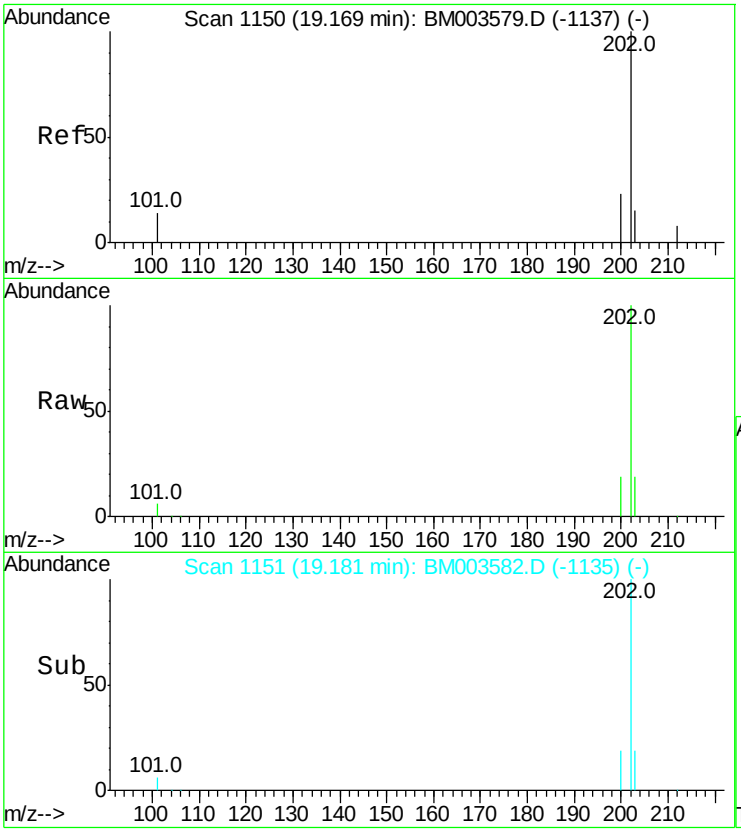


#15
Anthracene
Concen: 21.10 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:178 Resp: 1108826

Ion	Ratio	Lower	Upper
178	100		
176	15.4	14.0	21.0
179	17.9	12.9	19.3

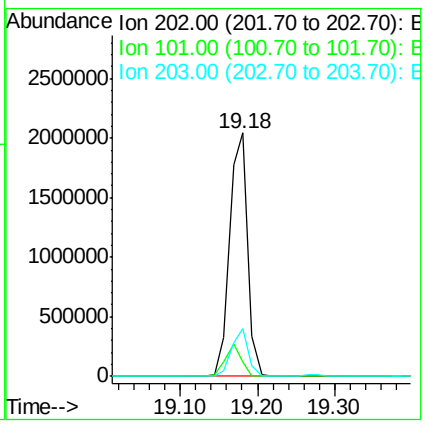




#17
Fluoranthene
Concen: 49.76 ng/ul
RT: 19.18 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:202 Resp: 3282888

Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	29.6
203	19.4	0.0	36.3



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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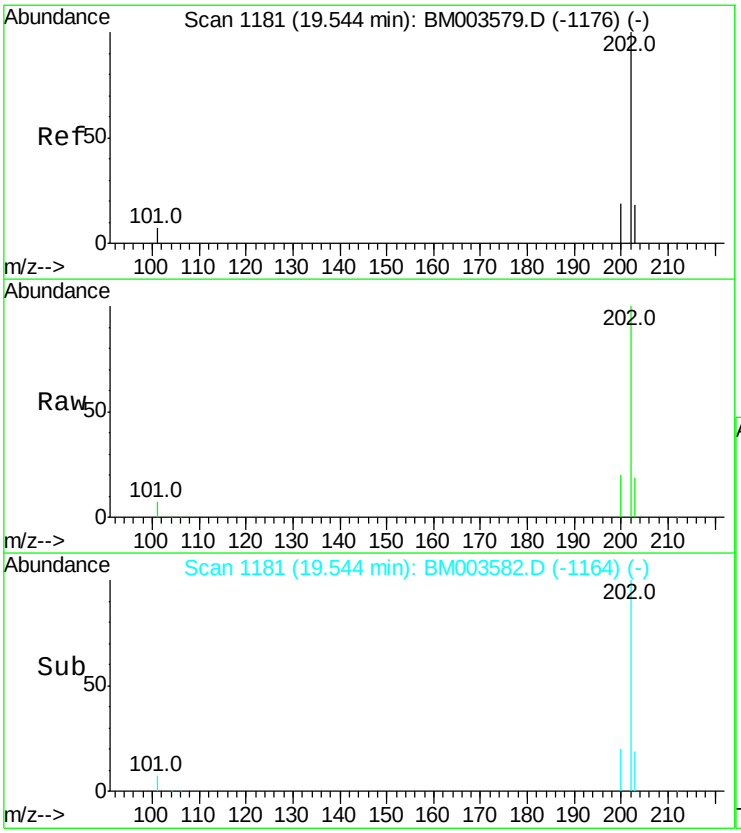
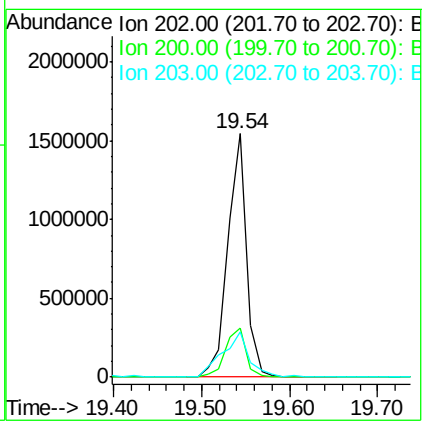
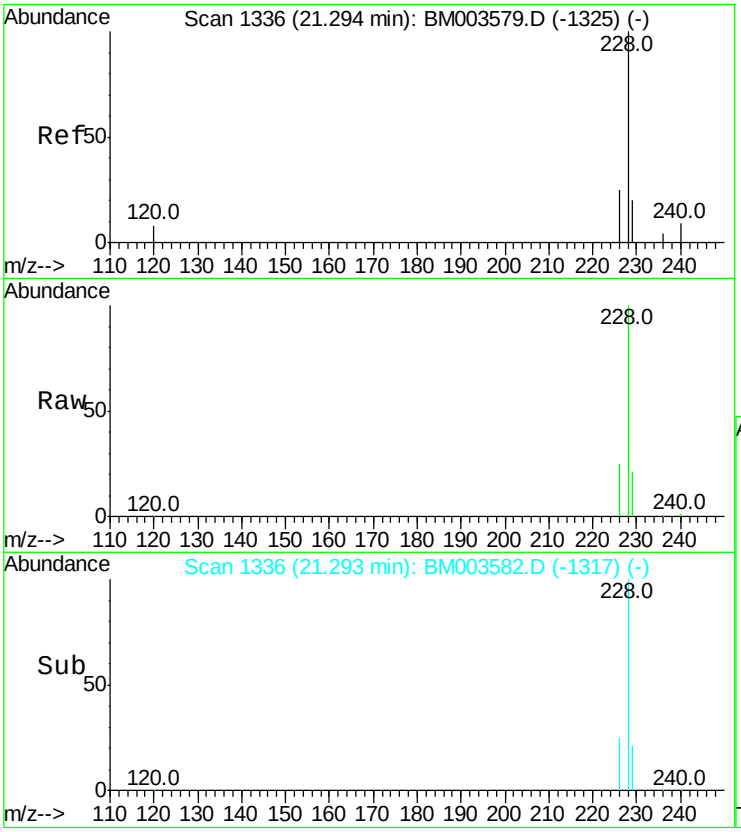


#19
Pyrene
Concen: 41.75 ng/ul
RT: 19.54 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:202 Resp: 2307509

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.8	26.8
203	18.7	12.8	19.2

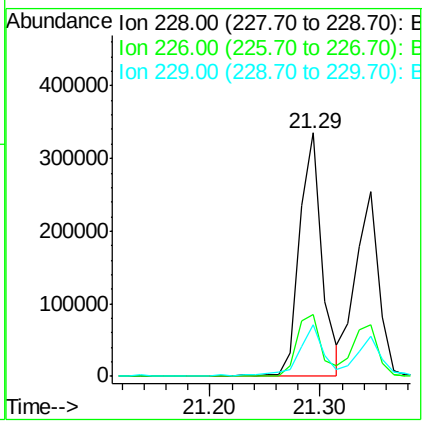




#20
Benzo(a)anthracene
Concen: 9.40 ng/ul
RT: 21.29 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:228 Resp: 469895

Ion	Ratio	Lower	Upper
228	100		
226	25.5	18.8	28.2
229	21.4	17.1	25.7



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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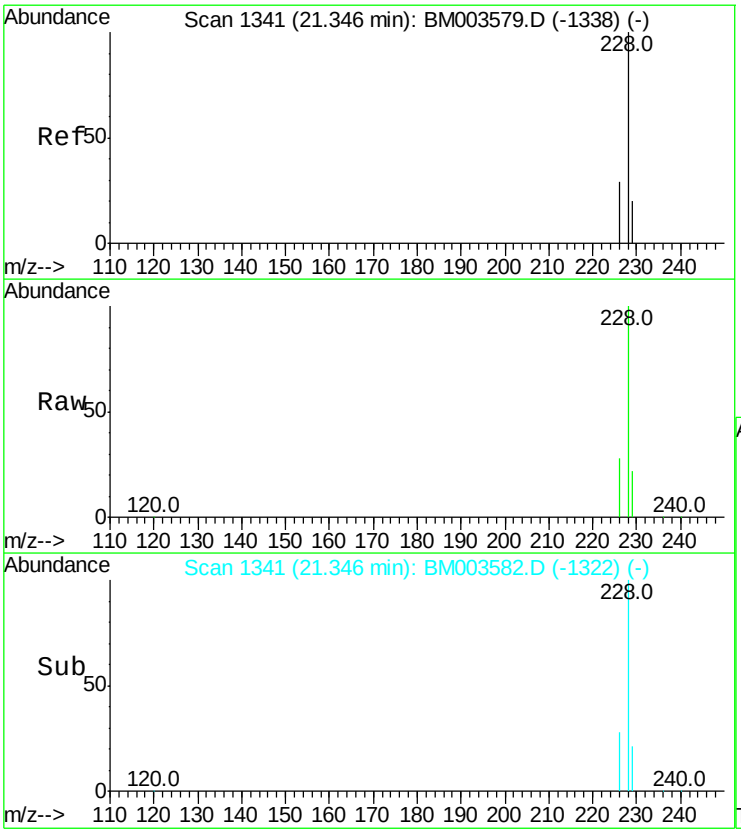
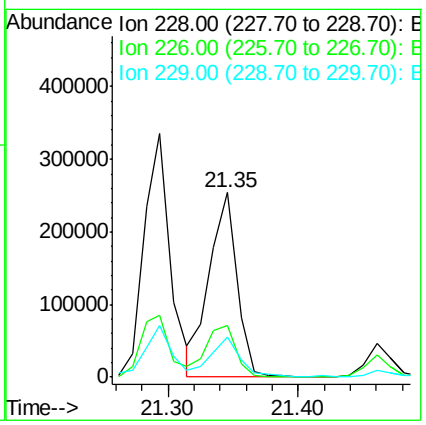
12/17/2015 5:36:04 PM

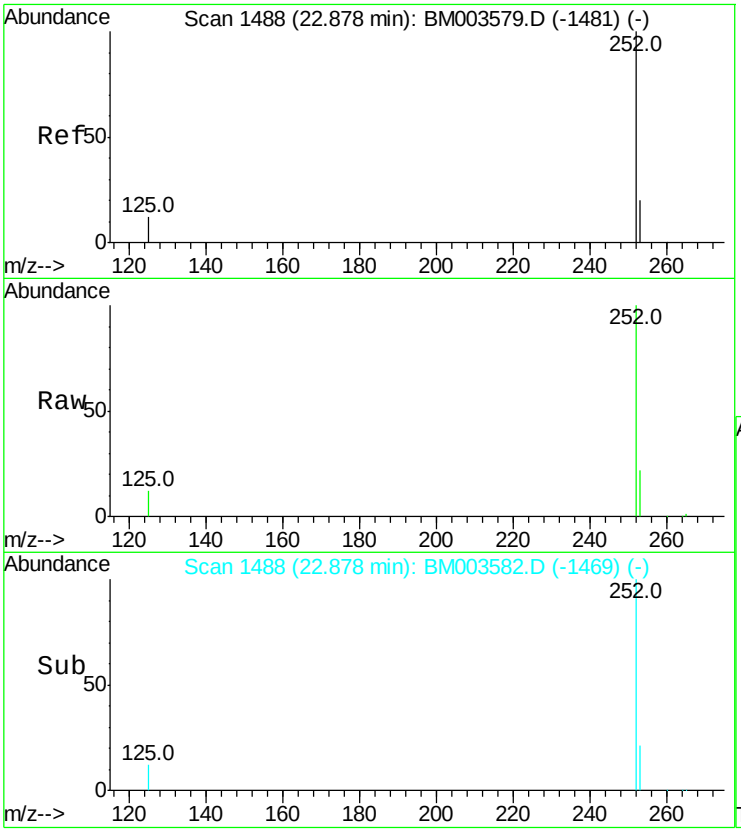


#21
Chrysene
Concen: 6.50 ng/ul
RT: 21.35 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:228 Resp: 371971

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.2	31.8
229	21.8	17.0	25.6

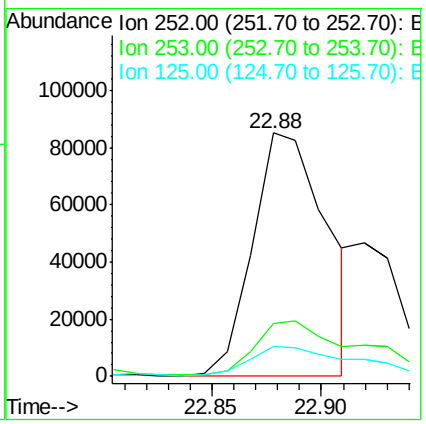




#23
Benzo(b)fluoranthene
Concen: 2.86 ng/ul m
RT: 22.88 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:252 Resp: 202095

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	45.4
125	12.3	0.0	28.8



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
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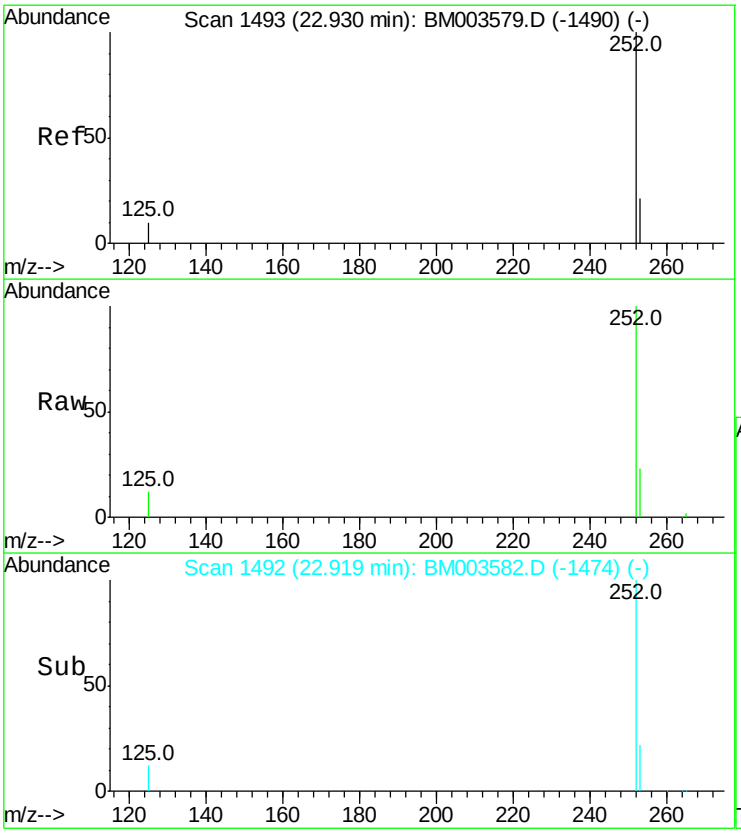
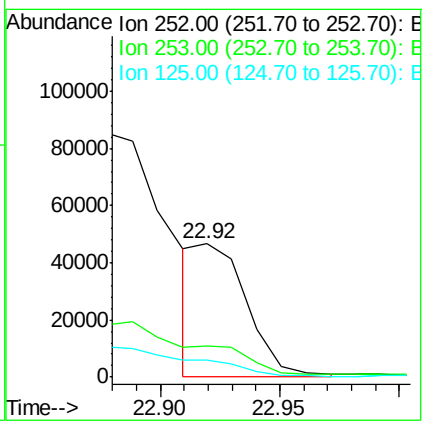
12/17/2015 5:36:04 PM

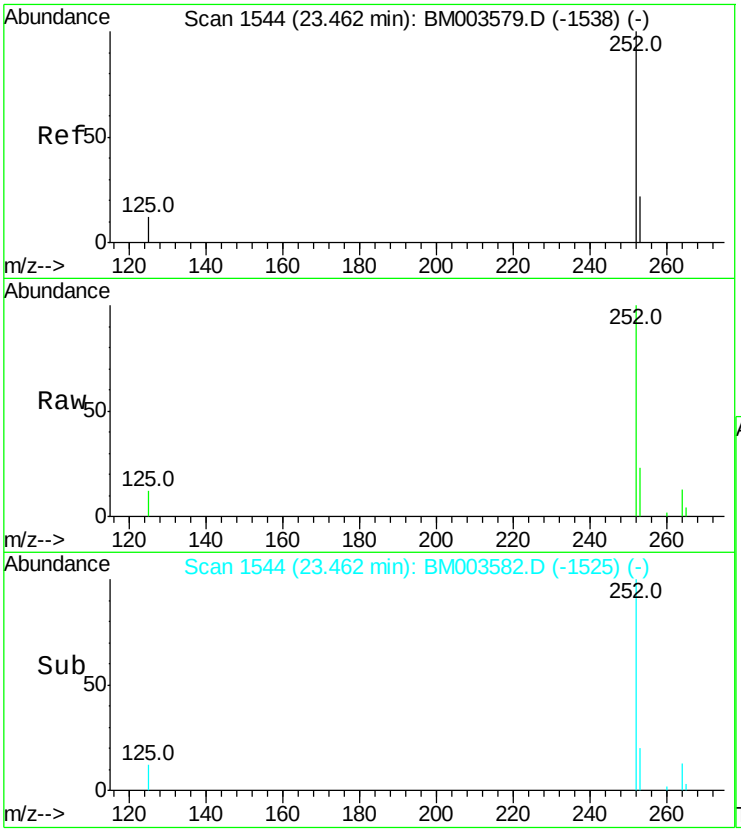


#24
Benzo(k)fluoranthene
Concen: 1.08 ng/ul m
RT: 22.92 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:252 Resp: 69386

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.8	29.8
125	12.5	10.4	15.6





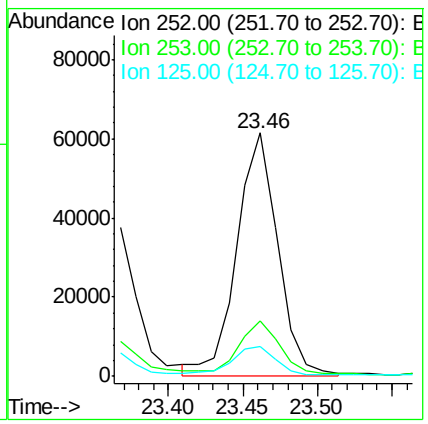
#25
Benzo(a)pyrene
Concen: 2.00 ng/ul m
RT: 23.46 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

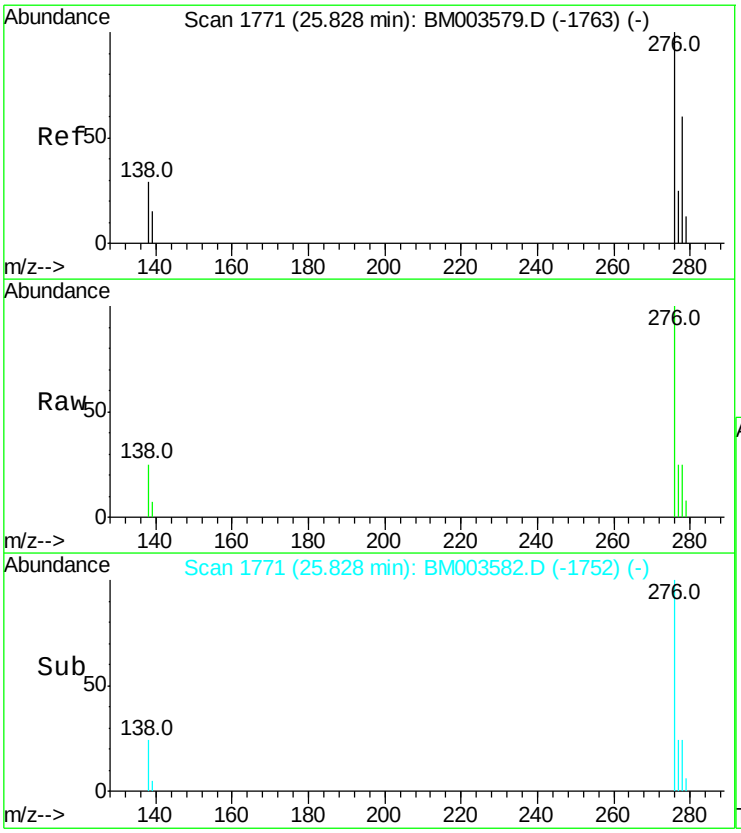
Tgt Ion:252 Resp: 119106

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.2
125	12.3	12.7	19.1#

Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:04 PM

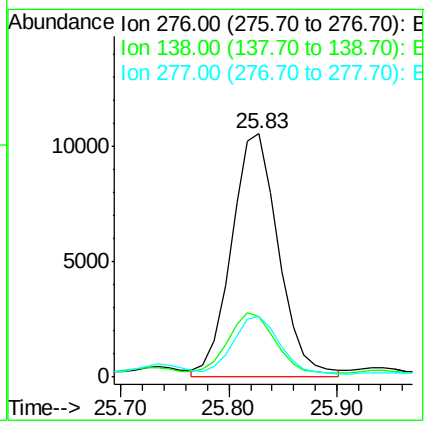


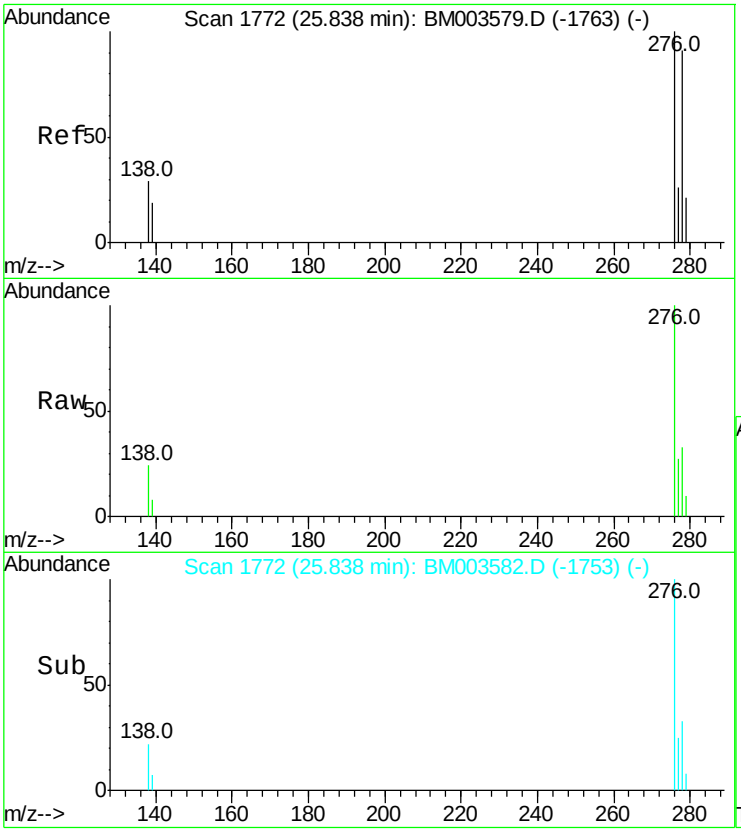


#26
Indeno(1,2,3-cd)pyrene
Concen: 0.46 ng/ul m
RT: 25.83 min Scan# 1771
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:276 Resp: 32013

Ion	Ratio	Lower	Upper
276	100		
138	0.0	16.3	24.5#
277	1.4	19.8	29.8#

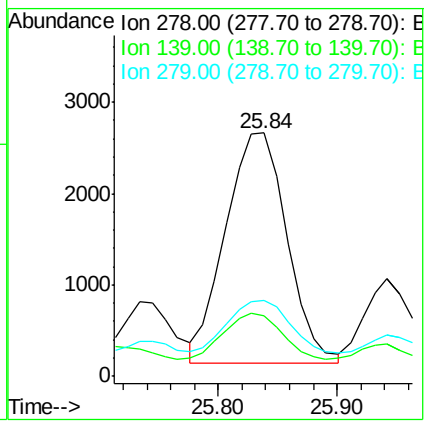




#27
Dibenzo(a,h)anthracene
Concen: 0.16 ng/ul m
RT: 25.84 min Scan# 1772
Delta R.T. -0.00 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

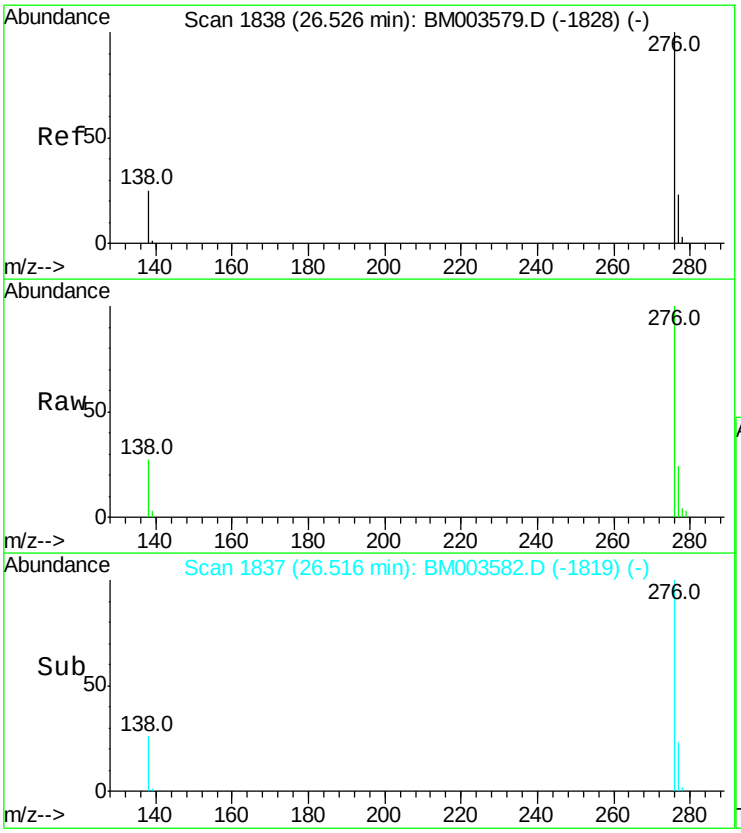
Tgt Ion:278 Resp: 9030

Ion	Ratio	Lower	Upper
278	100		
139	25.1	16.4	24.6#
279	31.0	20.2	30.2#



Instrument :
BNA_M
ClientSampleId :
D9N28

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:04 PM



#28
Benzo(g,h,i)perylene
Concen: 0.44 ng/ul m
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003582.D
Acq: 16 Dec 2015 17:54

Tgt Ion:276 Resp: 26389

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	27.4	22.5	33.7