Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022164.D
Acq On : 16 Aug 2019 03:42
Operator : HP/JU
Sample : K4183-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF4

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:23 AM

Quant Time: Aug 16 15:40:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	835	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3284	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1778	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.00	188	4024	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4448	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4954	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	827	0.15	ng/ul	-0.03
14) Fluoranthene-d10	19.04	212	2146	0.16	ng/ul	-0.03
Target Compounds						Qvalue
3) Naphthalene	10.42	128	761	0.082	ng/ul#	81
5) 2-Methylnaphthalene	12.05	142	498	0.081	ng/ul	94
7) Acenaphthylene	13.97	152	1589	0.192	ng/ul#	75
8) Acenaphthene	14.31	153	4443	0.655	ng/ul	97
9) Fluorene	15.31	166	4065	0.539	ng/ul	99
12) Phenanthrene	17.05	178	68080	5.815	ng/ul	96
13) Anthracene	17.14	178	13899	1.392	ng/ul	98
15) Fluoranthene	19.08	202	175006	11.158	ng/ul	94
17) Pyrene	19.44	202	159400	8.721	ng/ul	98
18) Benzo(a)anthracene	21.19	228	89518	5.626	ng/ul	97
19) Chrysene	21.25	228	101492	4.960	ng/ul	96
21) Benzo(b)fluoranthene	22.76	252	161807m	9.686	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	56639m	2.996	ng/ul	
23) Benzo(a)pyrene	23.32	252	105883	6.232	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.63	276	85157	4.198	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.64	278	21902	1.336	ng/ul#	77
26) Benzo(g,h,i)perylene	26.31	276	81213	4.447	ng/ul	96

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

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED
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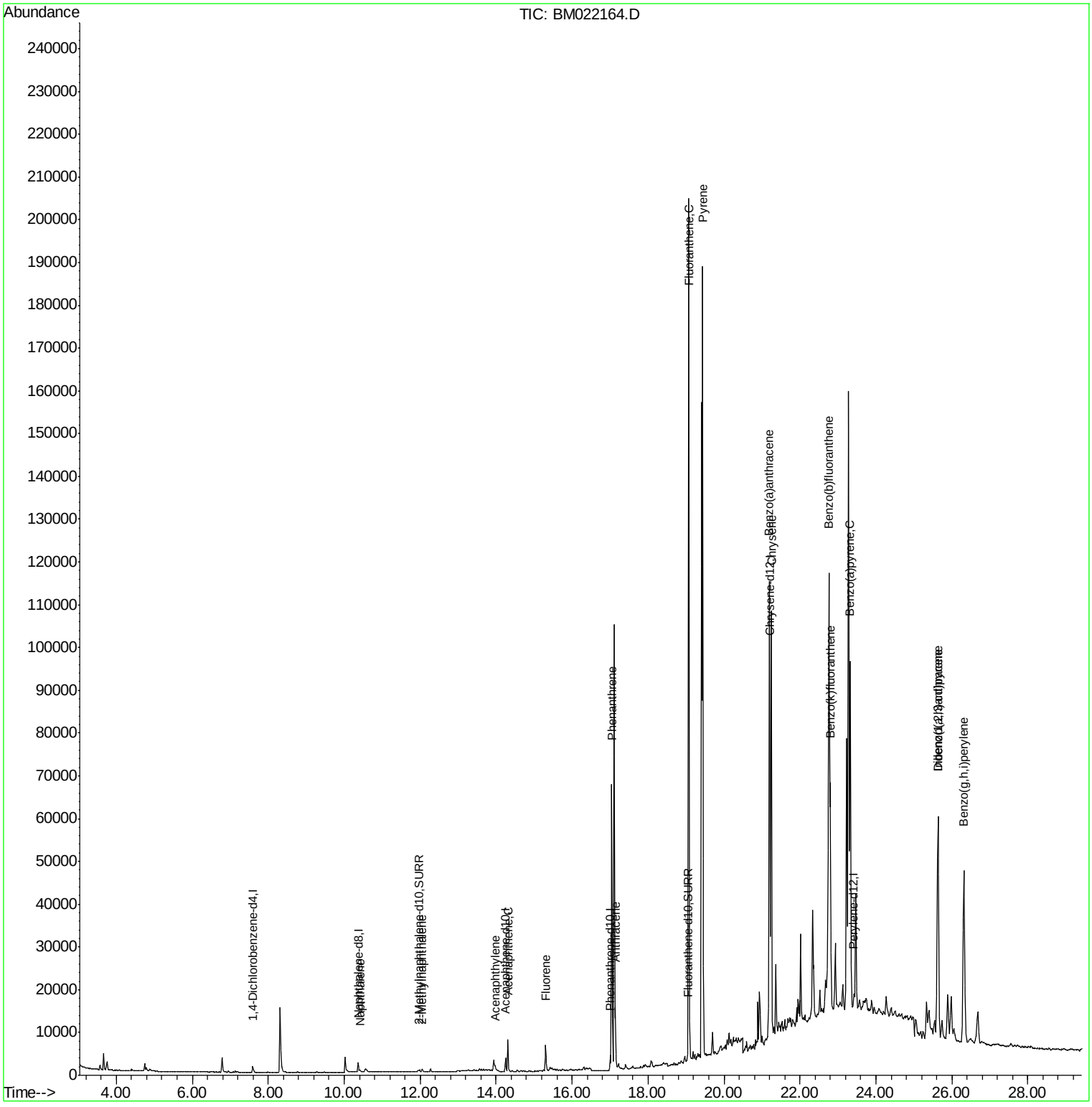
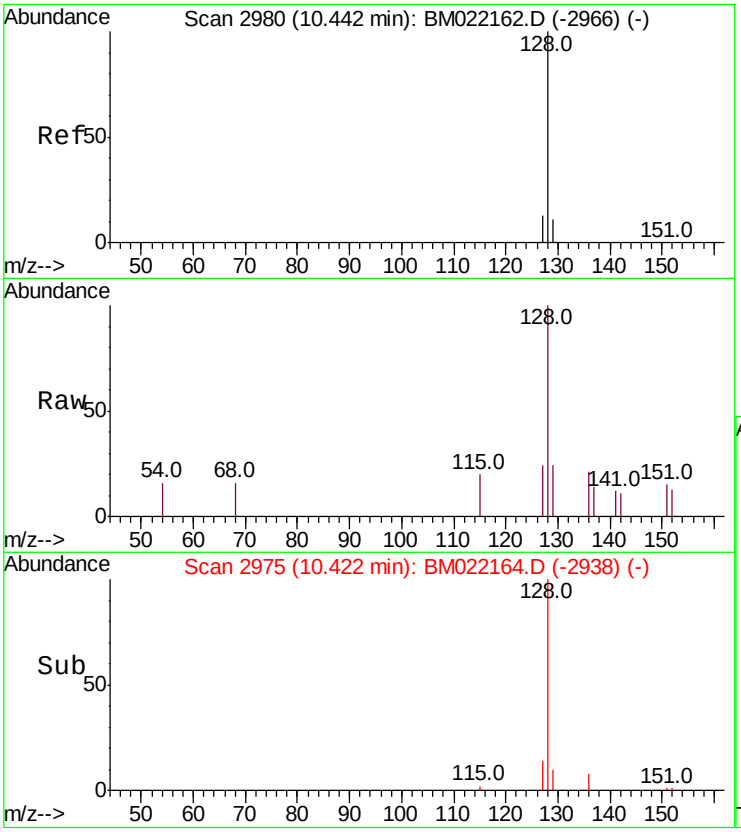
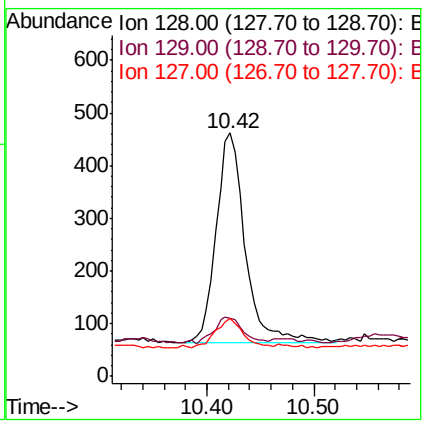




#3
Naphthalene
Concen: 0.082 ng/ul
RT: 10.42 min Scan# 2975
Delta R.T. -0.03 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:128 Resp: 761

Ion	Ratio	Lower	Upper
128	100		
129	23.8	12.3	18.5#
127	23.6	13.0	19.6#



Instrument :
BNA_M
ClientSampleId :
C0AF4

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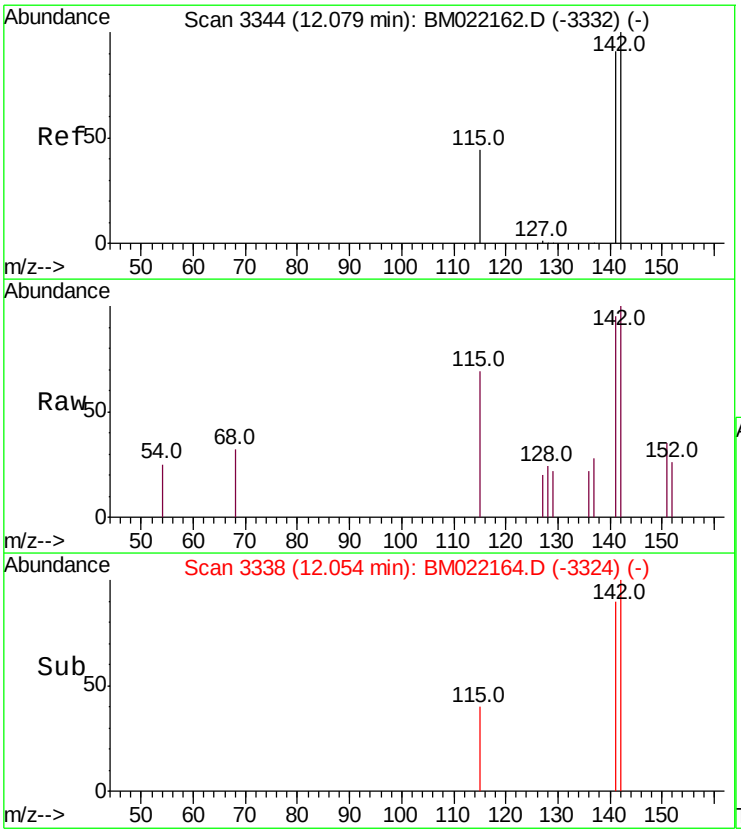
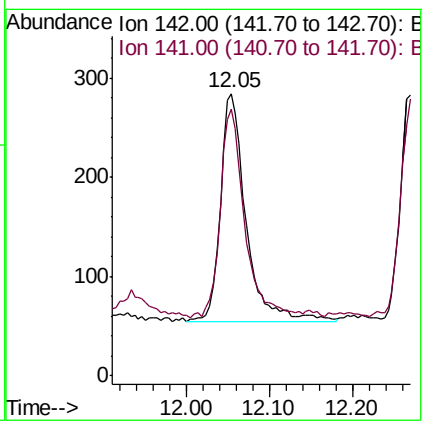
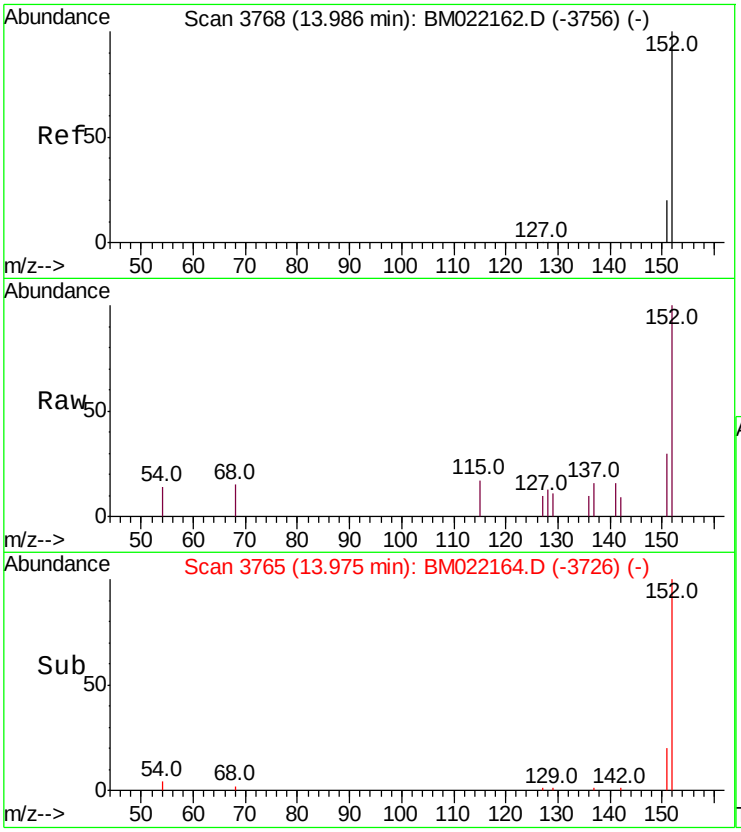


#5
2-Methylnaphthalene
Concen: 0.081 ng/ul
RT: 12.05 min Scan# 3338
Delta R.T. -0.04 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:142 Resp: 498

Ion	Ratio	Lower	Upper
142	100		
141	87.6	74.3	111.5





#7
Acenaphthylene
Concen: 0.192 ng/ul
RT: 13.97 min Scan# 3765
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:152 Resp: 1589

Ion	Ratio	Lower	Upper
152	100		
151	30.5	18.3	27.5#
153	0.0	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
C0AF4

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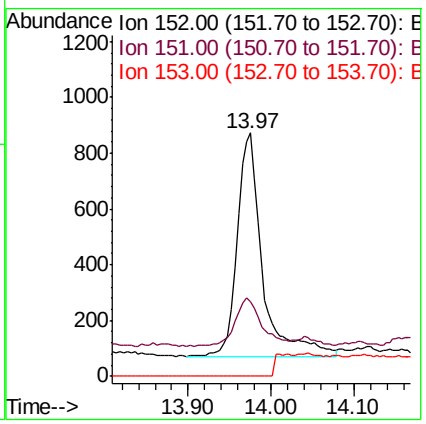
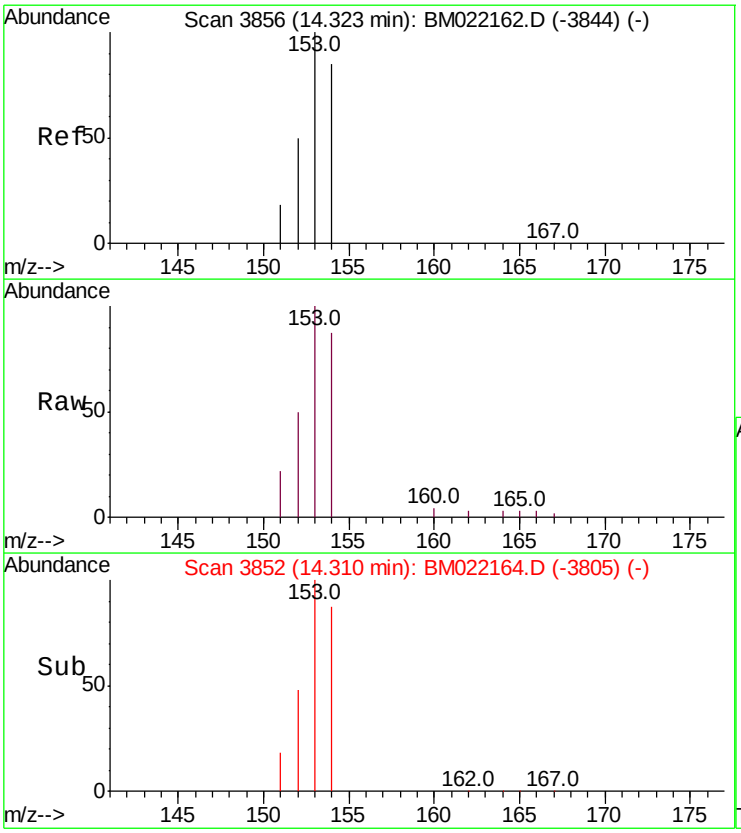
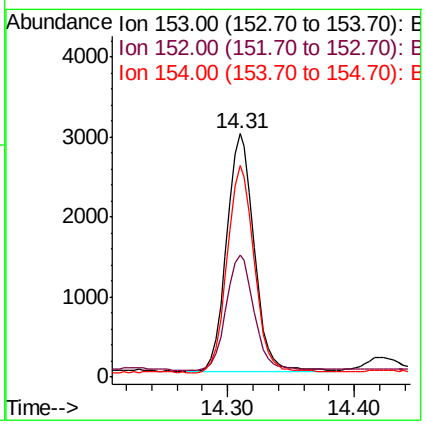


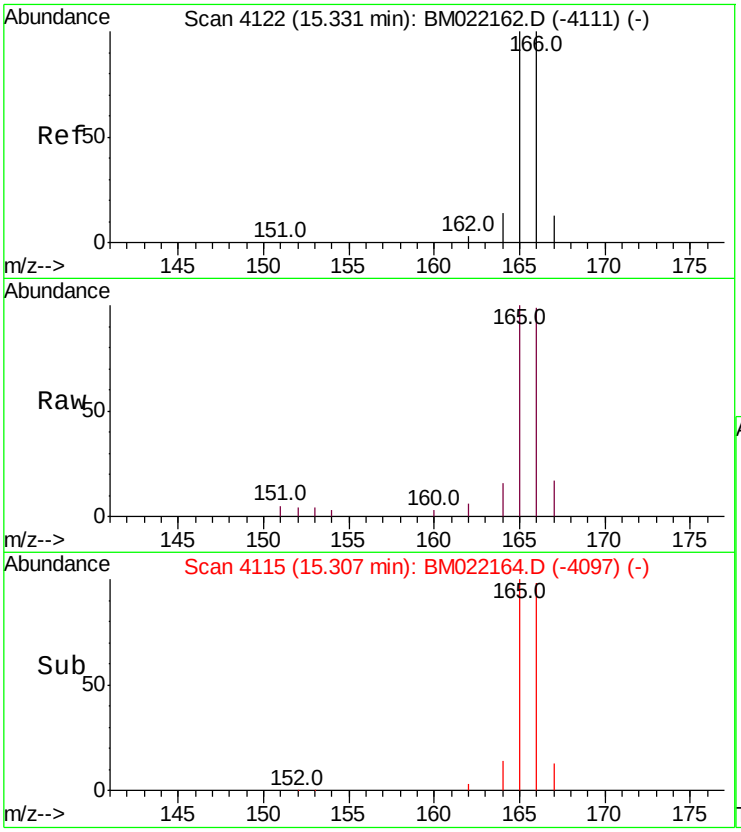


#8
Acenaphthene
Concen: 0.655 ng/ul
RT: 14.31 min Scan# 3852
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:153 Resp: 4443

Ion	Ratio	Lower	Upper
153	100		
152	50.2	41.3	61.9
154	86.8	72.3	108.5

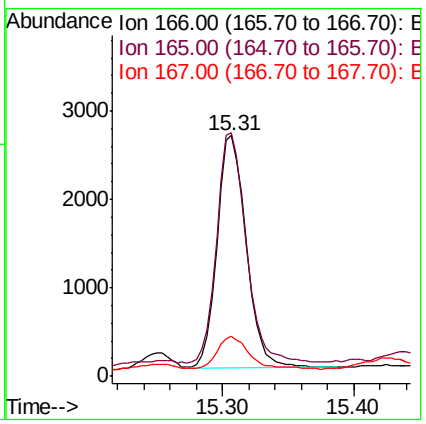




#9
Fluorene
Concen: 0.539 ng/ul
RT: 15.31 min Scan# 4115
Delta R.T. -0.03 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:166 Resp: 4065

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.4	122.0
167	16.8	13.7	20.5



Instrument :
BNA_M
ClientSampleId :
C0AF4

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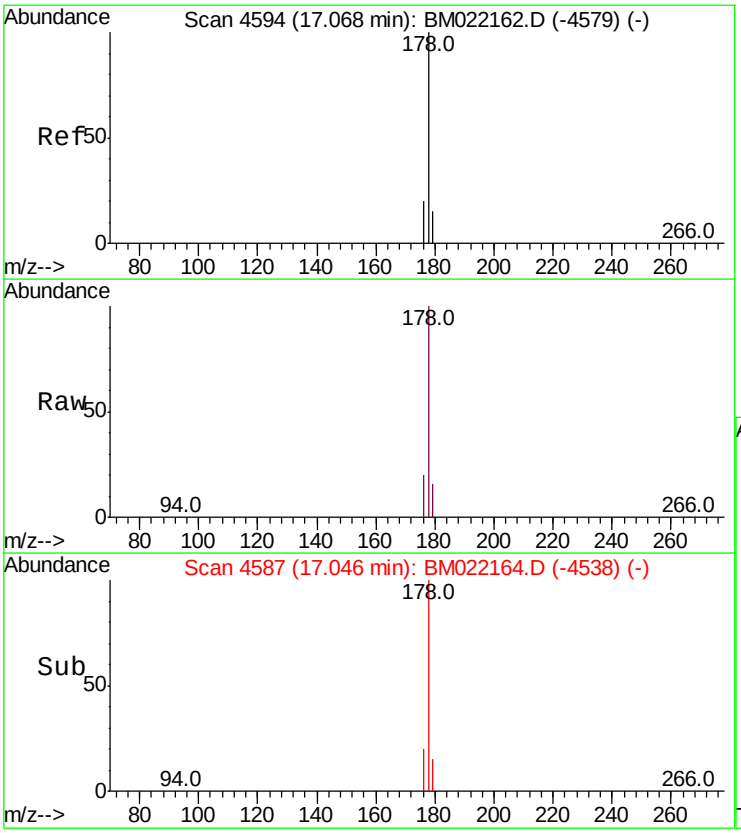
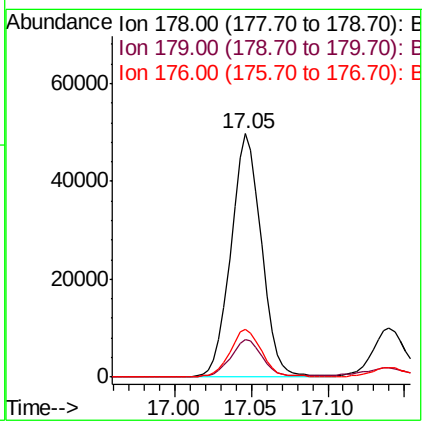
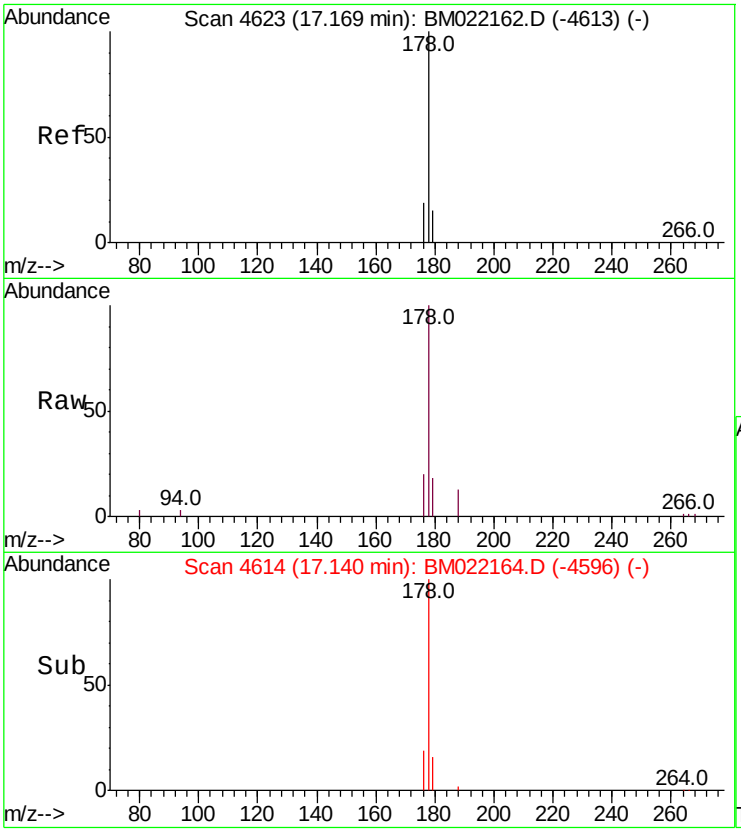


#12
Phenanthrene
Concen: 5.815 ng/ul
RT: 17.05 min Scan# 4587
Delta R.T. -0.03 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:178 Resp: 68080

Ion	Ratio	Lower	Upper
178	100		
179	15.5	14.2	21.2
176	19.8	16.8	25.2

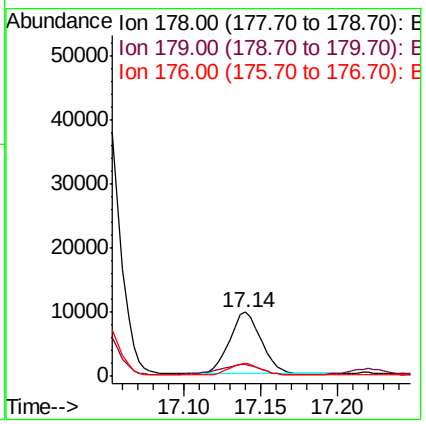




#13
Anthracene
Concen: 1.392 ng/ul
RT: 17.14 min Scan# 4614
Delta R.T. -0.04 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:178 Resp: 13899

Ion	Ratio	Lower	Upper
178	100		
179	18.3	15.5	23.3
176	20.0	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
C0AF4

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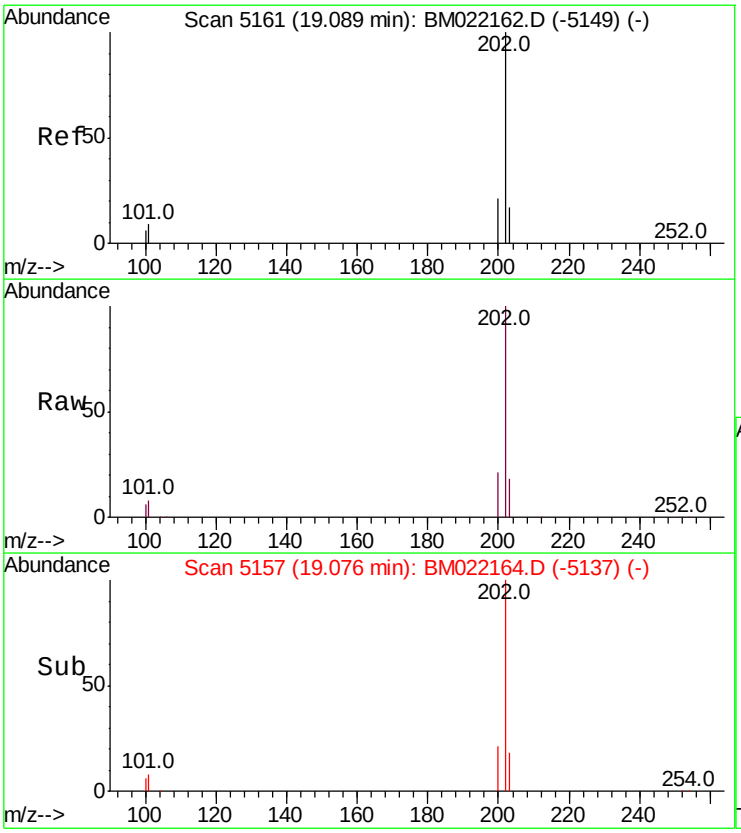
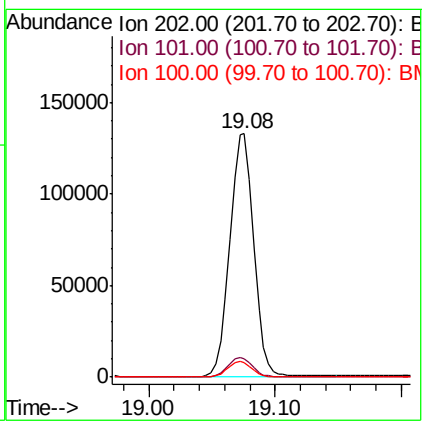
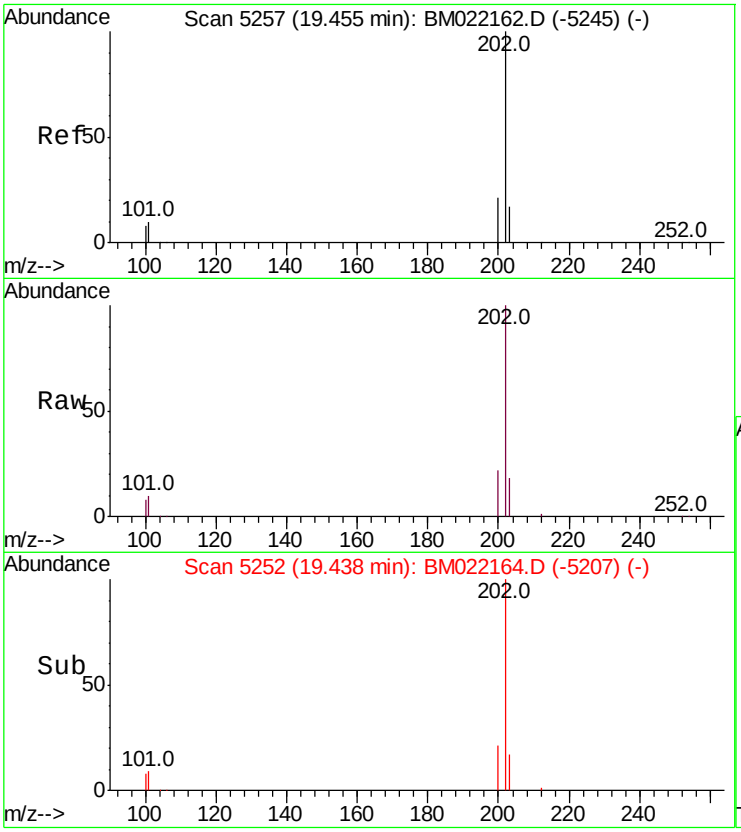


#15
Fluoranthene
Concen: 11.158 ng/ul
RT: 19.08 min Scan# 5157
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:202 Resp: 175006

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	30.2
100	6.1	0.0	28.1

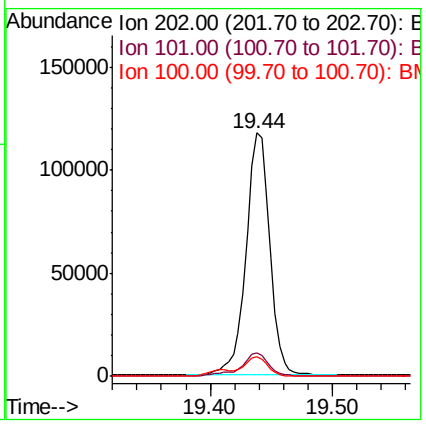




#17
Pyrene
Concen: 8.721 ng/ul
RT: 19.44 min Scan# 5252
Delta R.T. -0.03 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:202 Resp: 159400

Ion	Ratio	Lower	Upper
202	100		
101	9.6	8.3	12.5
100	8.0	7.2	10.8



Instrument :
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ClientSampleId :
C0AF4

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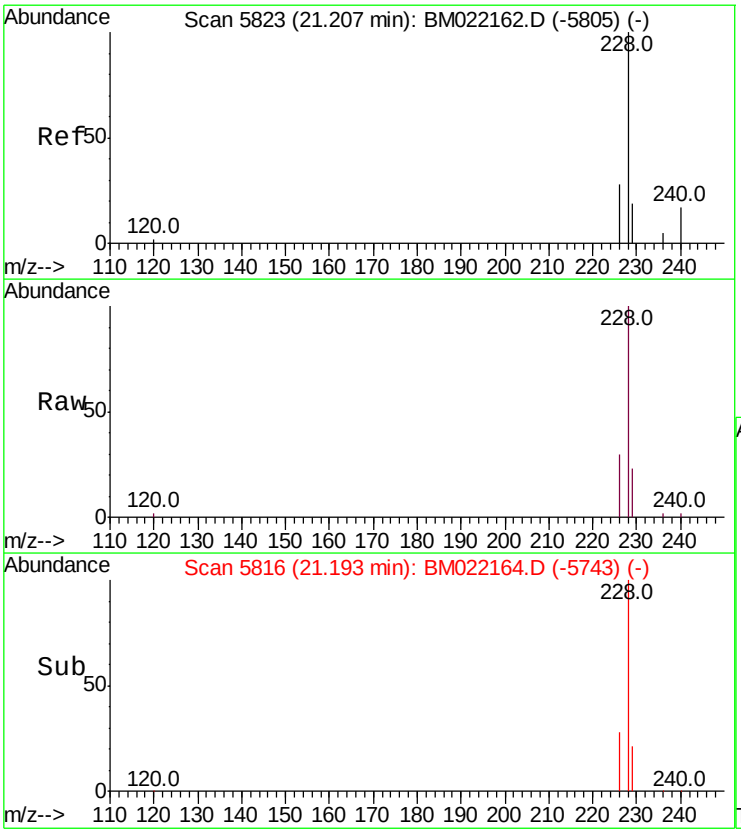
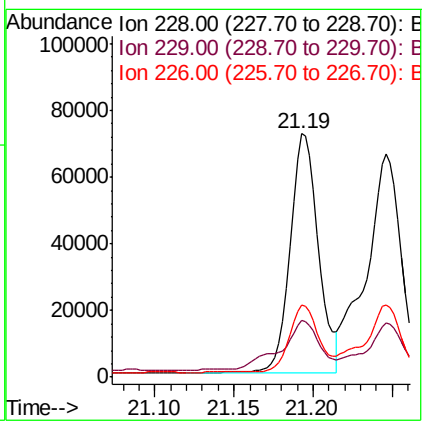
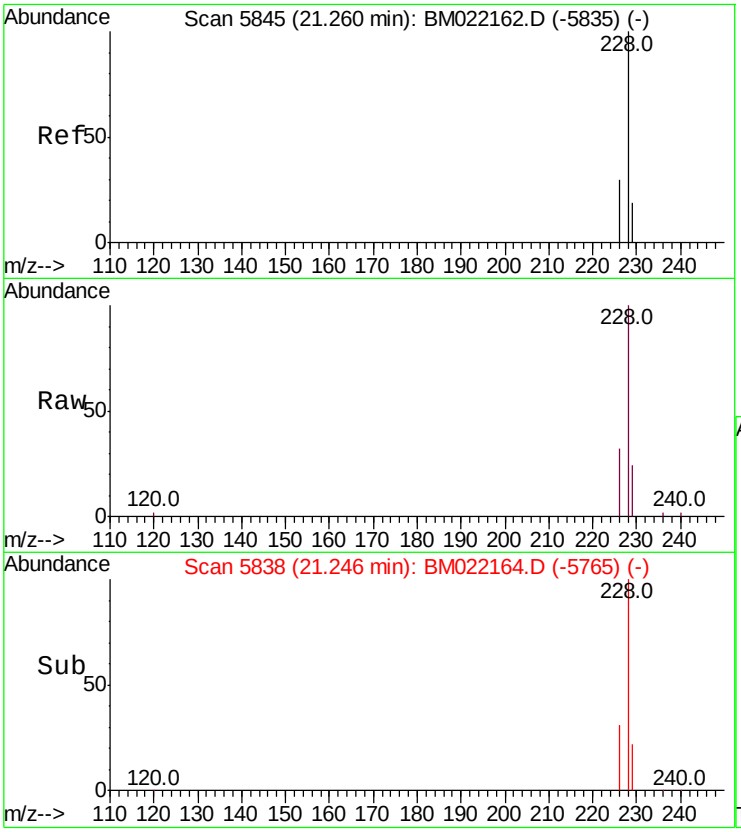


#18
Benzo(a)anthracene
Concen: 5.626 ng/ul
RT: 21.19 min Scan# 5816
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:228 Resp: 89518

Ion	Ratio	Lower	Upper
228	100		
229	23.2	17.2	25.8
226	29.6	22.6	34.0

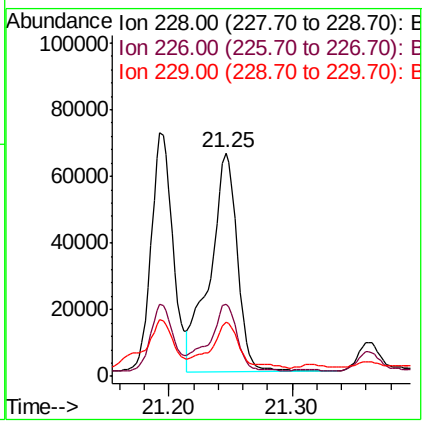




#19
Chrysene
Concen: 4.960 ng/ul
RT: 21.25 min Scan# 5838
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:228 Resp: 101492

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	24.1	16.6	25.0



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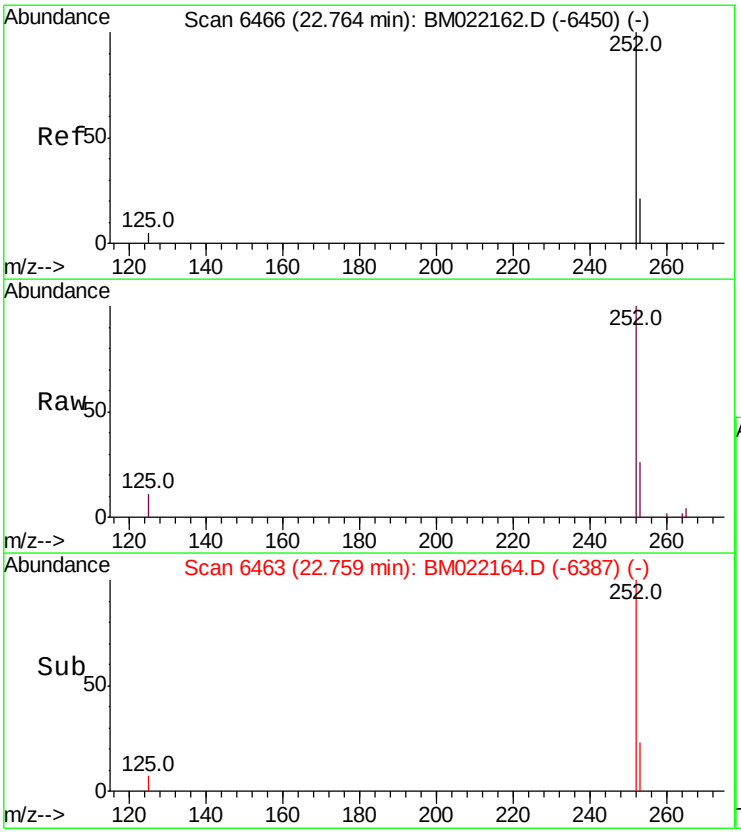
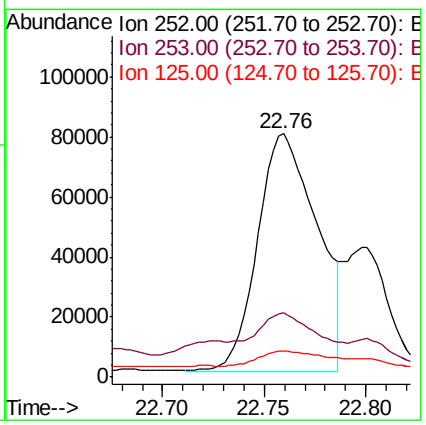
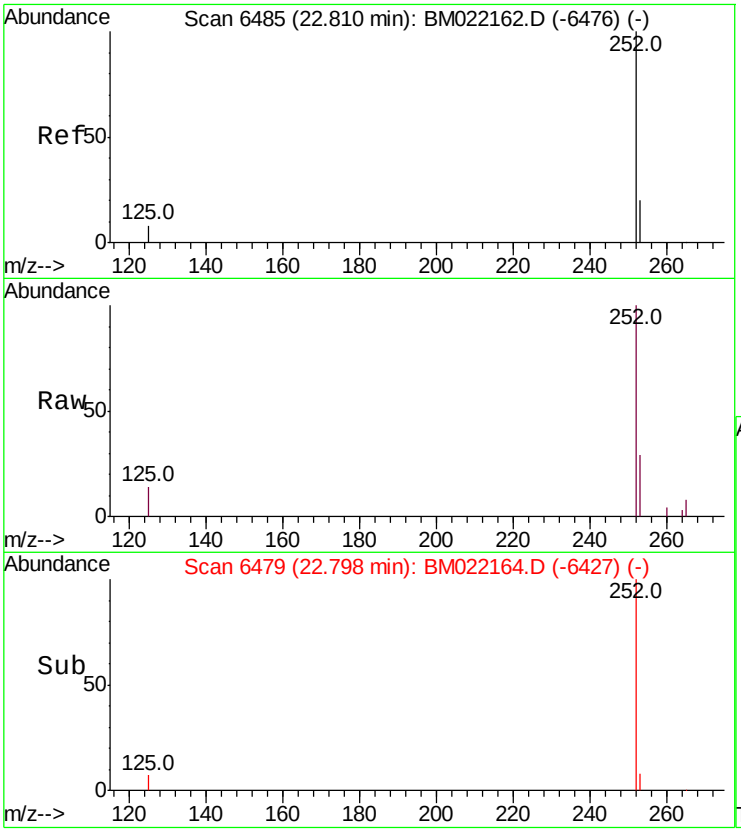


#21
Benzo(b)fluoranthene
Concen: 9.686 ng/ul m
RT: 22.76 min Scan# 6463
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:252 Resp: 161807

Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.0	67.4
125	10.8	0.0	31.0

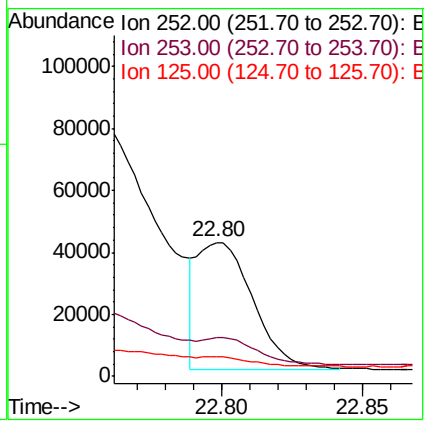




#22
Benzo(k)fluoranthene
Concen: 2.996 ng/ul m
RT: 22.80 min Scan# 6479
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:252 Resp: 56639

Ion	Ratio	Lower	Upper
252	100		
253	28.8	27.0	40.4
125	14.2	12.2	18.2



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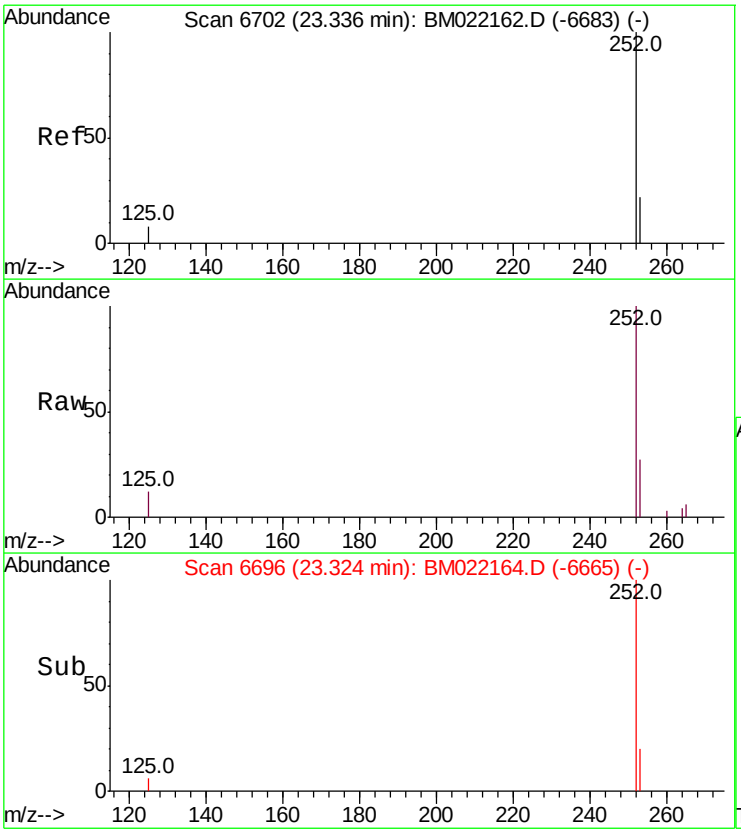
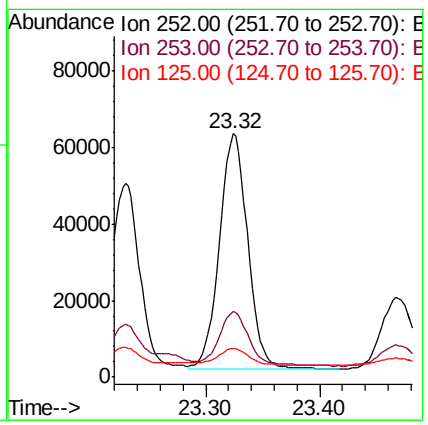
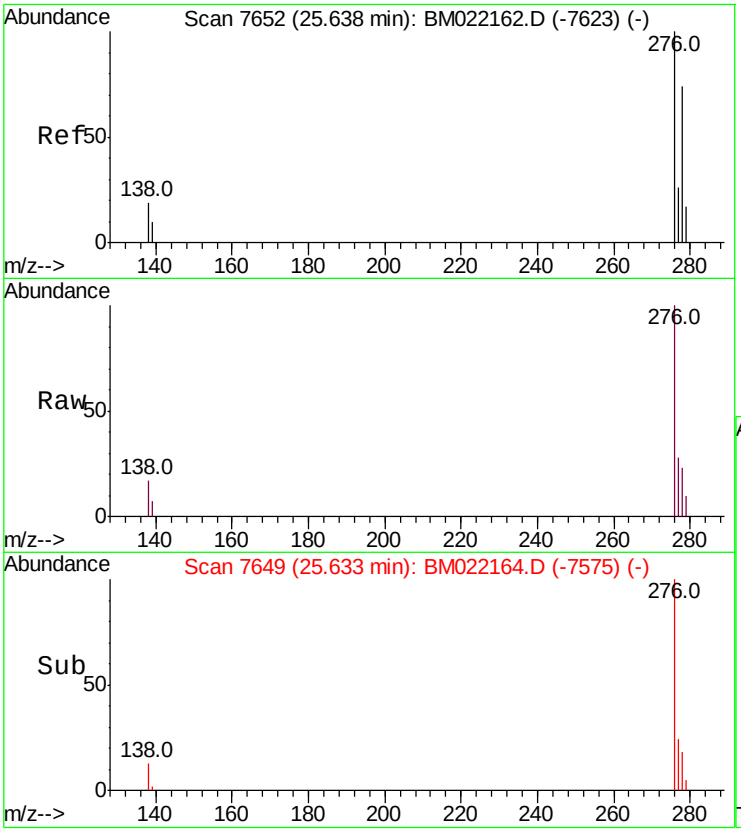


#23
Benzo(a)pyrene
Concen: 6.232 ng/ul
RT: 23.32 min Scan# 6696
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:252 Resp: 105883

Ion	Ratio	Lower	Upper
252	100		
253	27.0	31.7	47.5#
125	11.9	14.6	21.8#





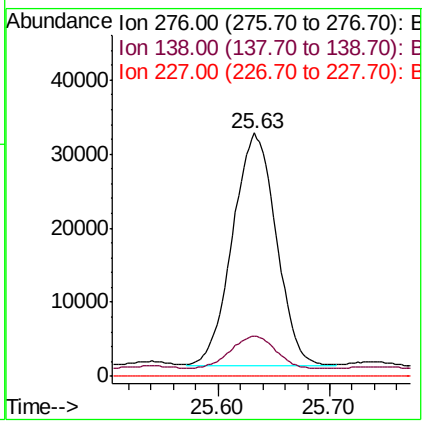
#24
Indeno(1,2,3-cd)pyrene
Concen: 4.198 ng/ul
RT: 25.63 min Scan# 7649
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

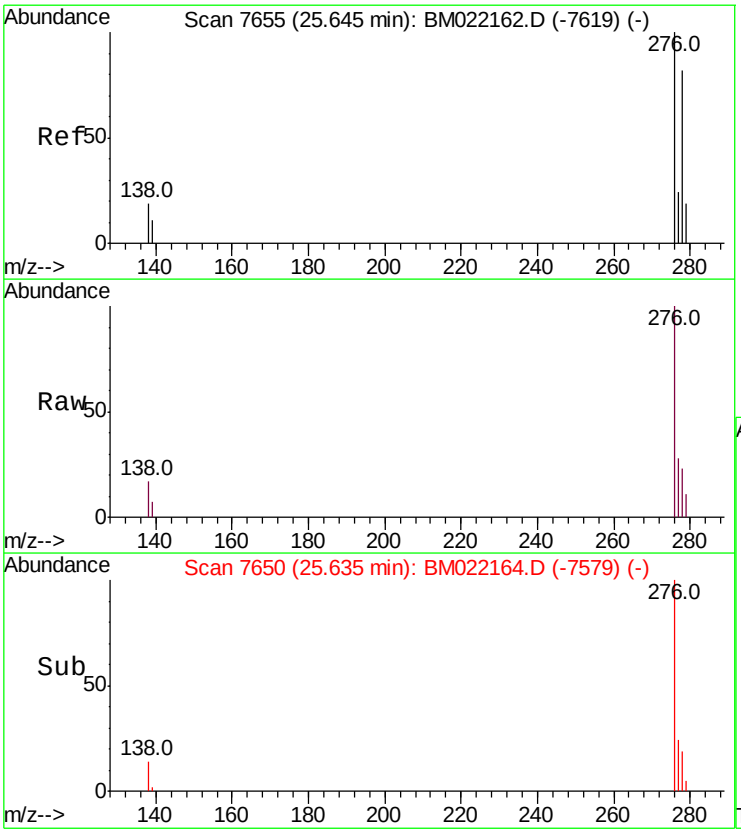
Tgt Ion:276 Resp: 85157

Ion	Ratio	Lower	Upper
276	100		
138	14.5	15.1	22.7#
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
C0AF4

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:23 AM

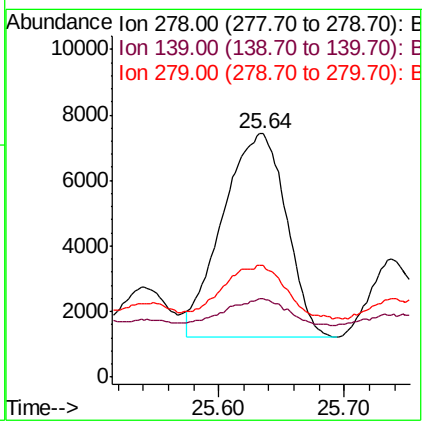


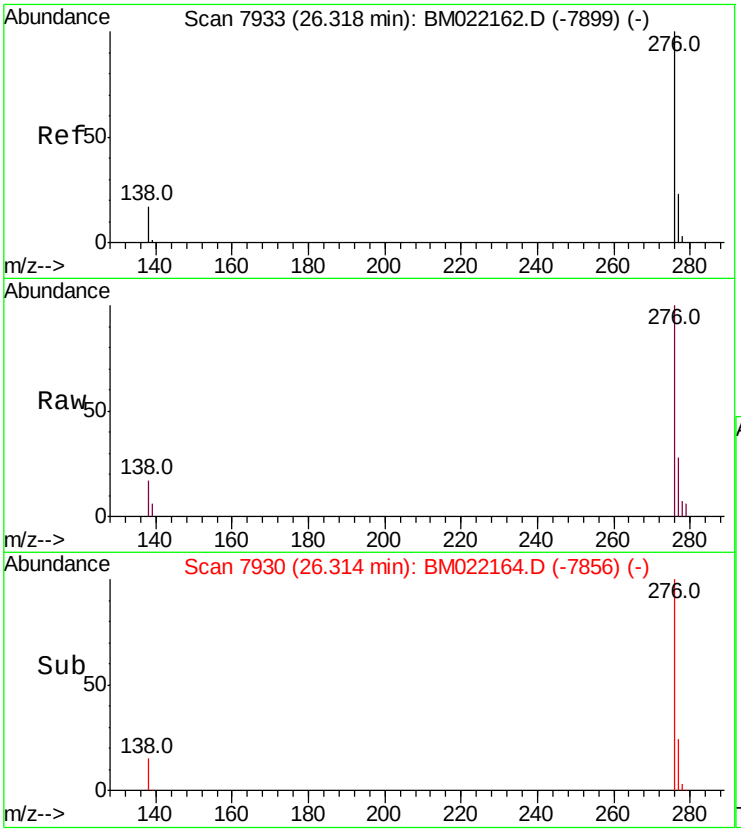


#25
Dibenzo(a,h)anthracene
Concen: 1.336 ng/ul
RT: 25.64 min Scan# 7650
Delta R.T. -0.03 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:278 Resp: 21902

Ion	Ratio	Lower	Upper
278	100		
139	32.0	14.2	21.2#
279	45.8	28.3	42.5#

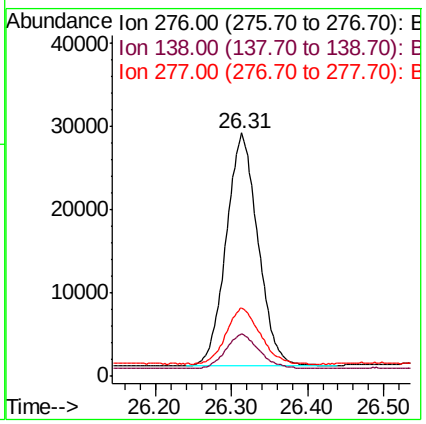




#26
Benzo(g,h,i)perylene
Concen: 4.447 ng/ul
RT: 26.31 min Scan# 7930
Delta R.T. -0.02 min
Lab File: BM022164.D
Acq: 16 Aug 2019 03:42

Tgt Ion:276 Resp: 81213

Ion	Ratio	Lower	Upper
276	100		
138	17.4	15.5	23.3
277	28.2	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
C0AF4

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:23 AM