Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022122.D
Acq On : 14 Aug 2019 23:43
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:45 PM

Quant Time: Aug 15 11:32:56 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	875	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3672	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	2066	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4725m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4750m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4789m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2754	0.45	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	7026m	0.44	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.42	128	23085	2.226	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	8338	1.207	ng/ul	97
7) Acenaphthylene	13.97	152	13490	1.400	ng/ul#	82
8) Acenaphthene	14.31	153	21201	2.689	ng/ul	96
9) Fluorene	15.31	166	22373	2.555	ng/ul	99
12) Phenanthrene	17.05	178	354561m	25.790	ng/ul	
13) Anthracene	17.14	178	80277m	6.845	ng/ul	
15) Fluoranthene	19.08	202	604567m	32.827	ng/ul	
17) Pyrene	19.44	202	508165	26.034	ng/ul	97
18) Benzo(a)anthracene	21.20	228	295963m	17.419	ng/ul	
19) Chrysene	21.25	228	269532	12.335	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	365132m	22.610	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	131370m	7.188	ng/ul	
23) Benzo(a)pyrene	23.32	252	258770	15.756	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.63	276	176707	9.011	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.63	278	48912m	3.086	ng/ul	
26) Benzo(g,h,i)perylene	26.30	276	148899	8.434	ng/ul	95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022122.D
Acq On : 14 Aug 2019 23:43
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 11:32:56 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
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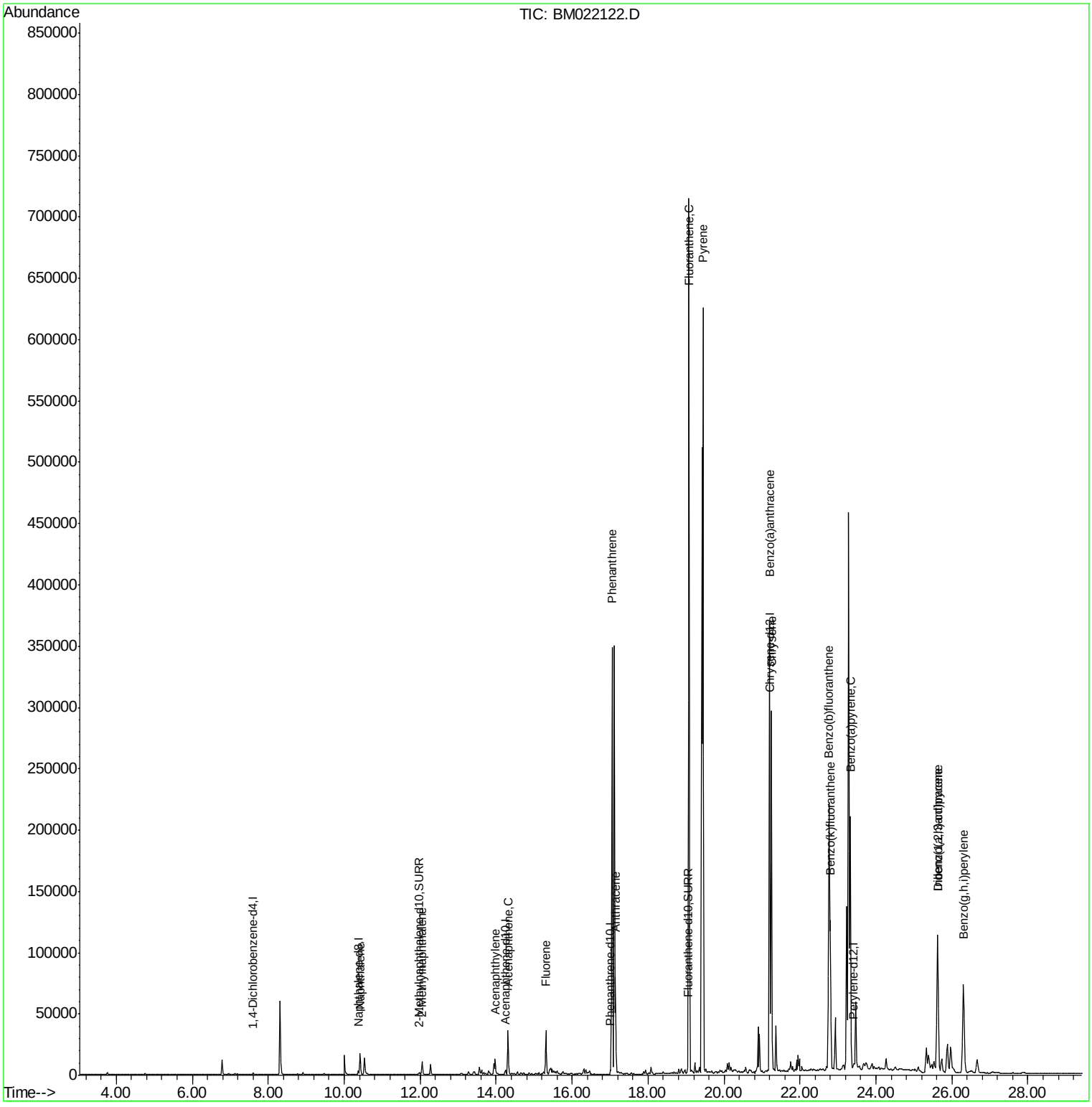
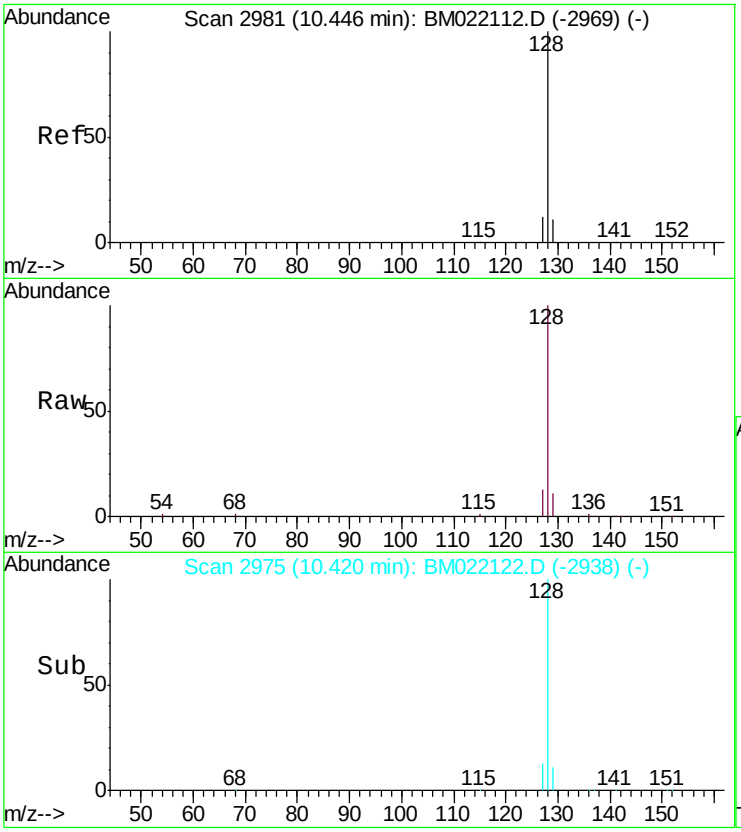
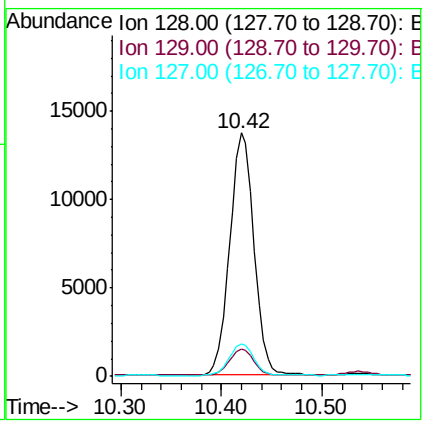




#3
Naphthalene
Concen: 2.226 ng/ul
RT: 10.42 min Scan# 2975
Delta R.T. -0.03 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:128 Resp: 23085

Ion	Ratio	Lower	Upper
128	100		
129	11.2	12.3	18.5#
127	13.4	13.0	19.6



Instrument :
BNA_M
ClientSampleId :
CB5N8

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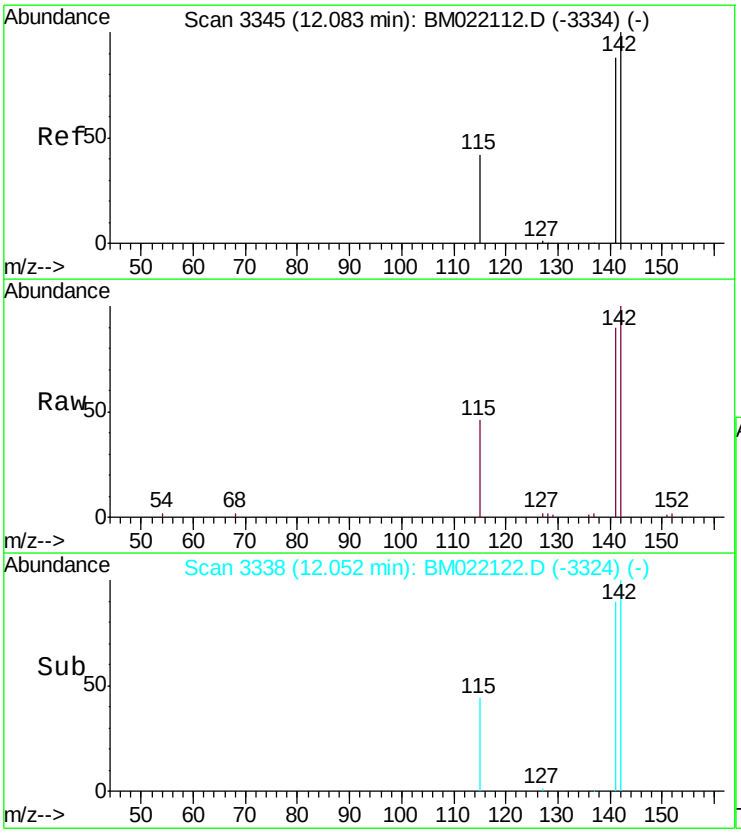
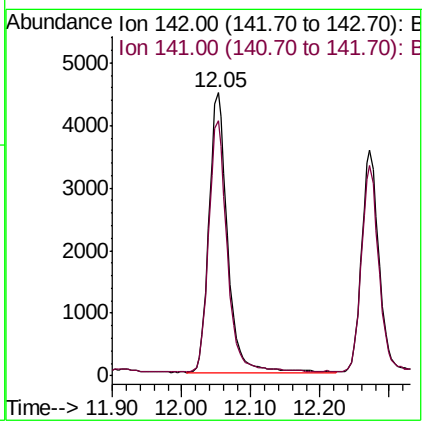
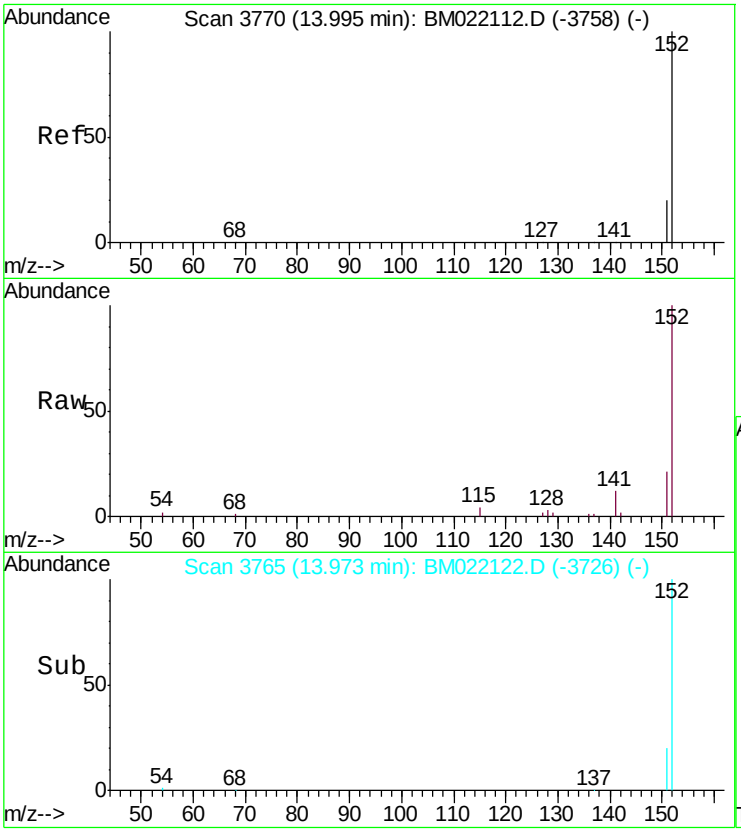


#5
2-Methylnaphthalene
Concen: 1.207 ng/ul
RT: 12.05 min Scan# 3338
Delta R.T. -0.04 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:142 Resp: 8338

Ion	Ratio	Lower	Upper
142	100		
141	90.2	74.3	111.5

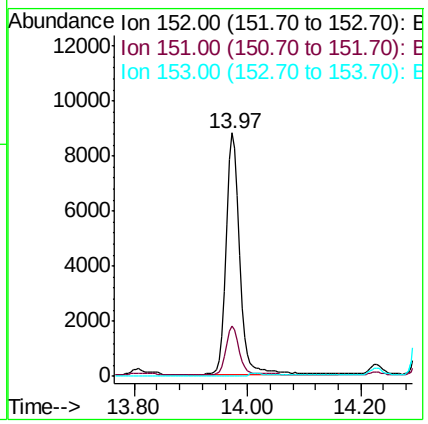




#7
Acenaphthylene
Concen: 1.400 ng/ul
RT: 13.97 min Scan# 3765
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:152 Resp: 13490

Ion	Ratio	Lower	Upper
152	100		
151	20.5	18.3	27.5
153	0.0	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
CB5N8

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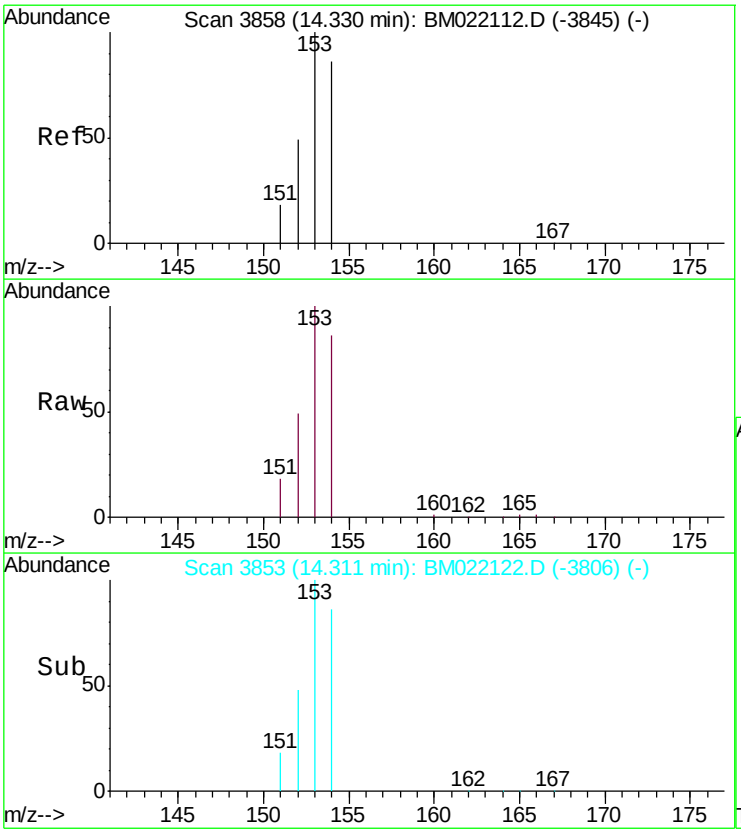
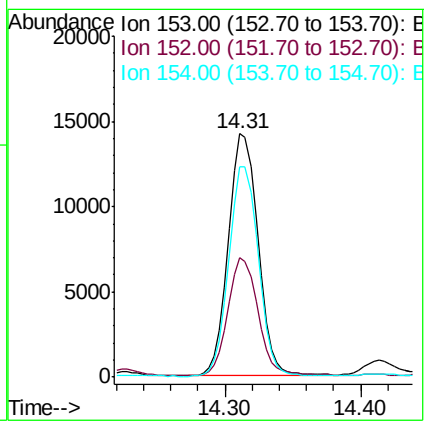
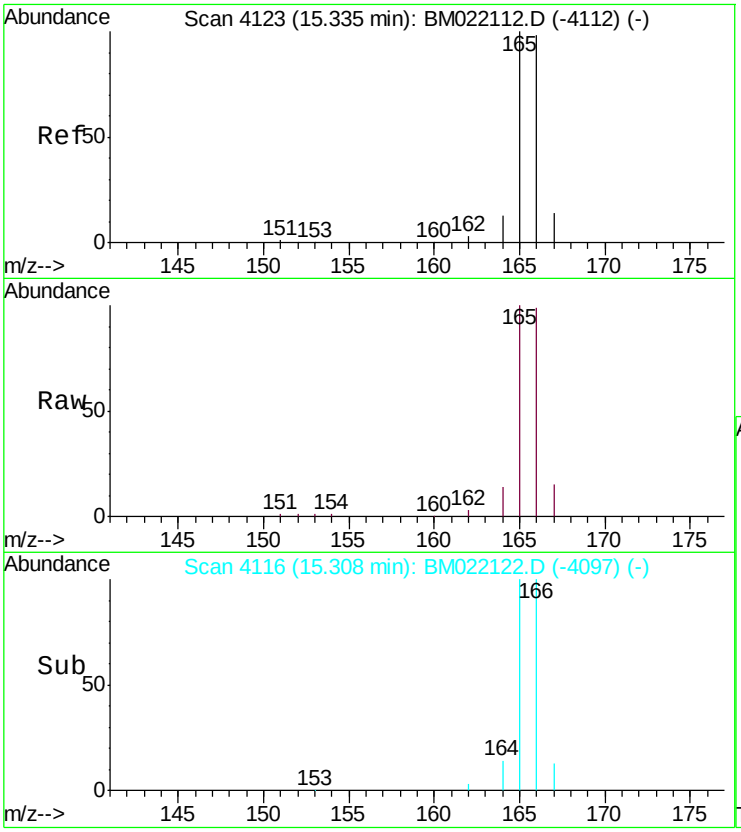


#8
Acenaphthene
Concen: 2.689 ng/ul
RT: 14.31 min Scan# 3853
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:153 Resp: 21201

Ion	Ratio	Lower	Upper
153	100		
152	48.8	41.3	61.9
154	86.5	72.3	108.5

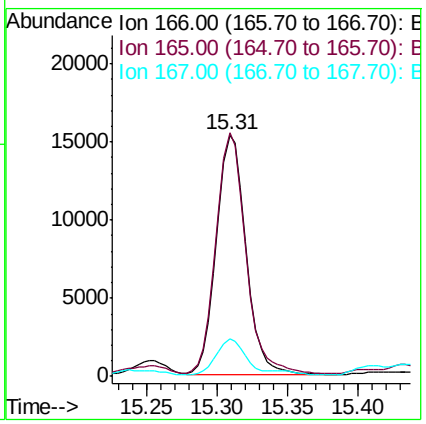




#9
Fluorene
Concen: 2.555 ng/ul
RT: 15.31 min Scan# 4116
Delta R.T. -0.03 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:166 Resp: 22373

Ion	Ratio	Lower	Upper
166	100		
165	100.9	81.4	122.0
167	15.3	13.7	20.5



Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
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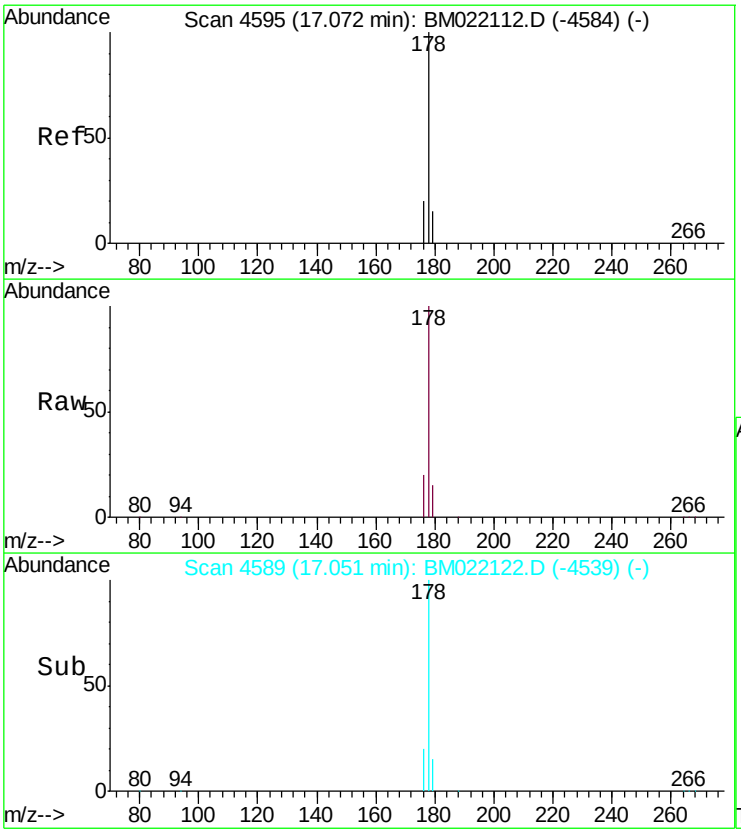
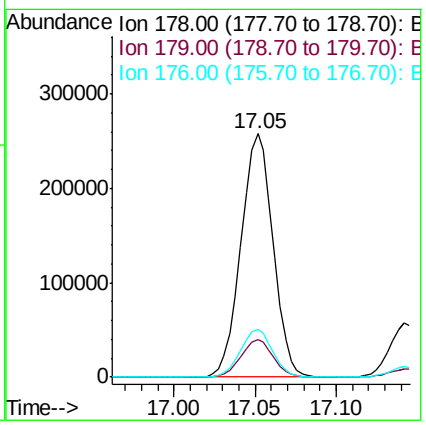
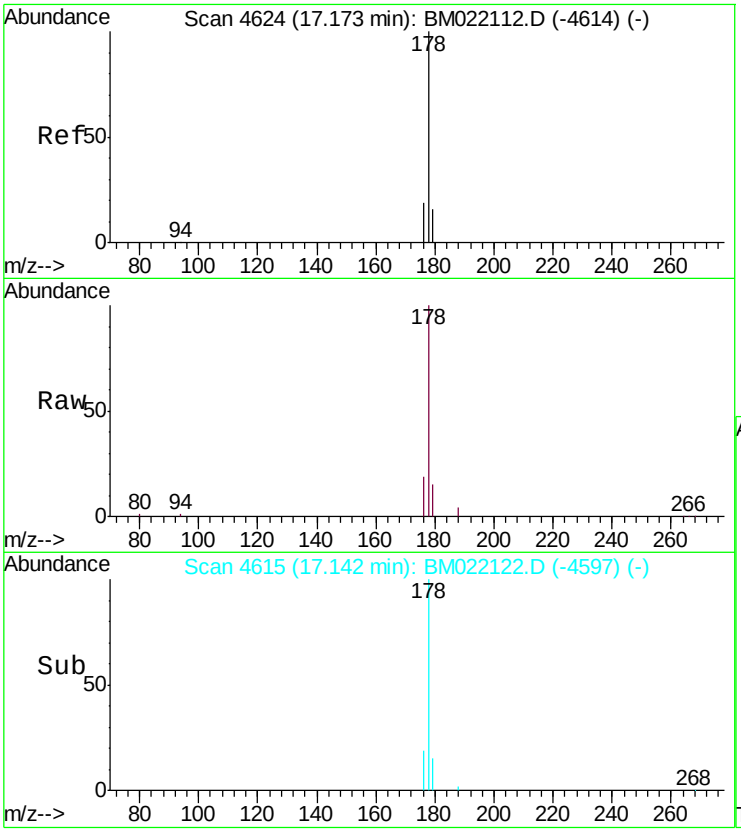


#12
Phenanthrene
Concen: 25.790 ng/ul m
RT: 17.05 min Scan# 4589
Delta R.T. -0.03 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:178 Resp: 354561

Ion	Ratio	Lower	Upper
178	100		
179	15.4	14.2	21.2
176	19.7	16.8	25.2

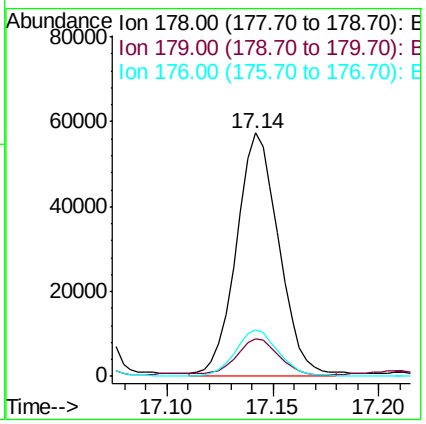




#13
Anthracene
Concen: 6.845 ng/ul m
RT: 17.14 min Scan# 4615
Delta R.T. -0.04 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:178 Resp: 80277

Ion	Ratio	Lower	Upper
178	100		
179	15.4	15.5	23.3#
176	19.2	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
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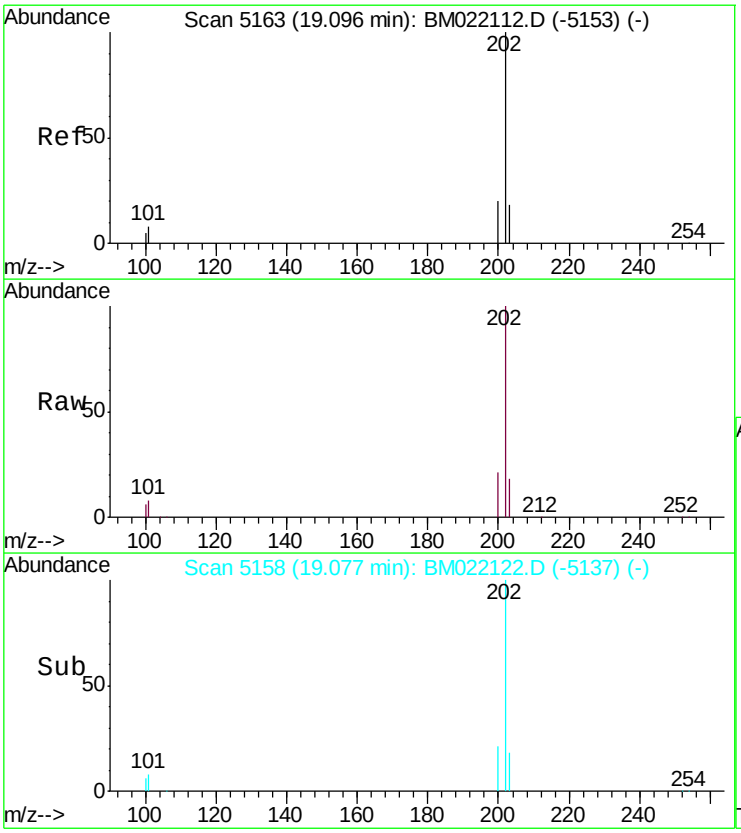
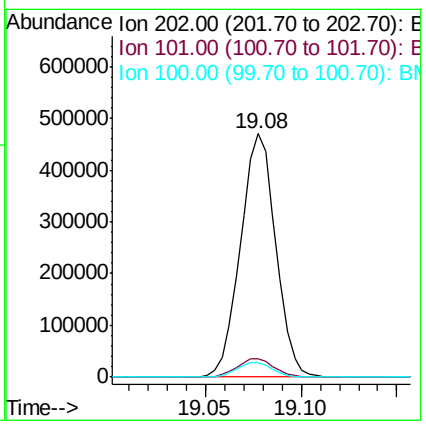
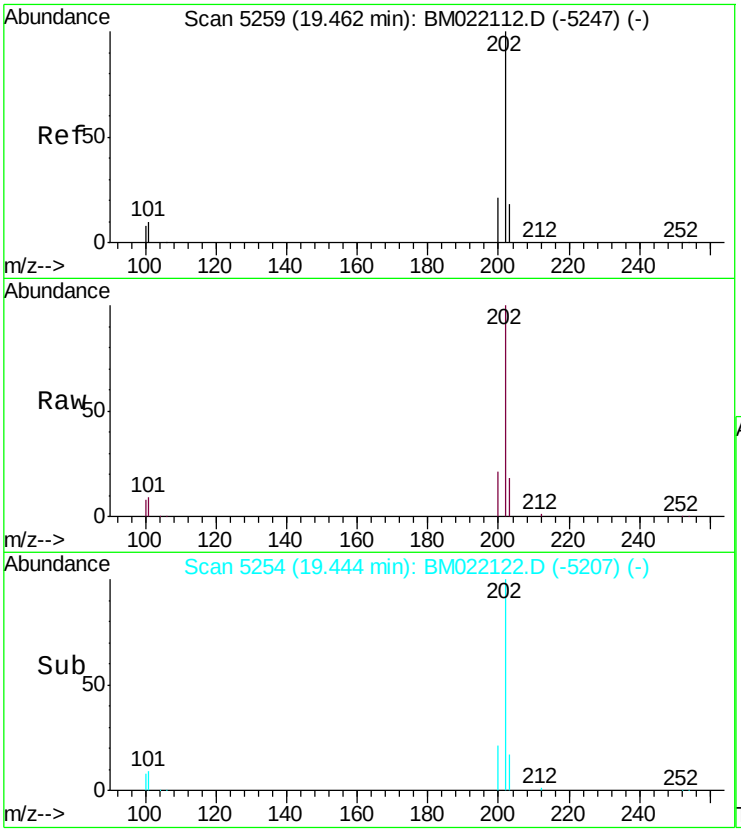


#15
Fluoranthene
Concen: 32.827 ng/ul m
RT: 19.08 min Scan# 5158
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:202 Resp: 604567

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	30.2
100	5.9	0.0	28.1

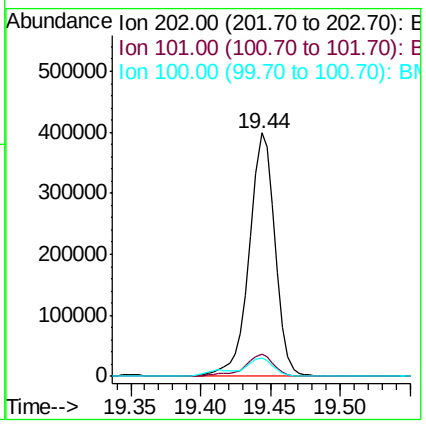




#17
Pyrene
Concen: 26.034 ng/ul
RT: 19.44 min Scan# 5254
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:202 Resp: 508165

Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.3	12.5
100	7.7	7.2	10.8



Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
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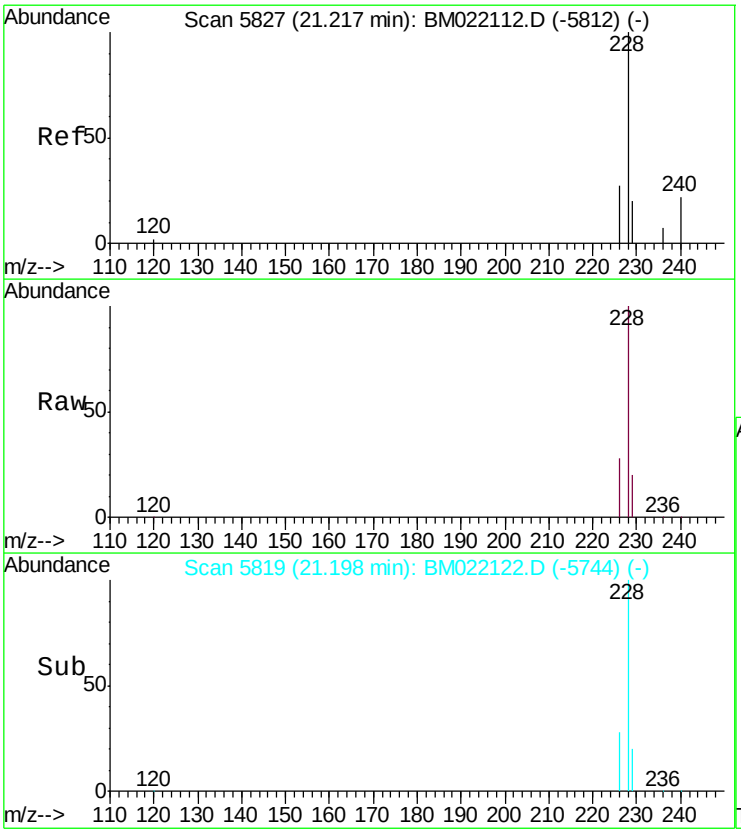
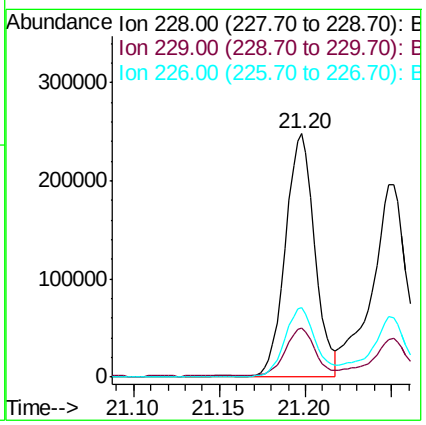
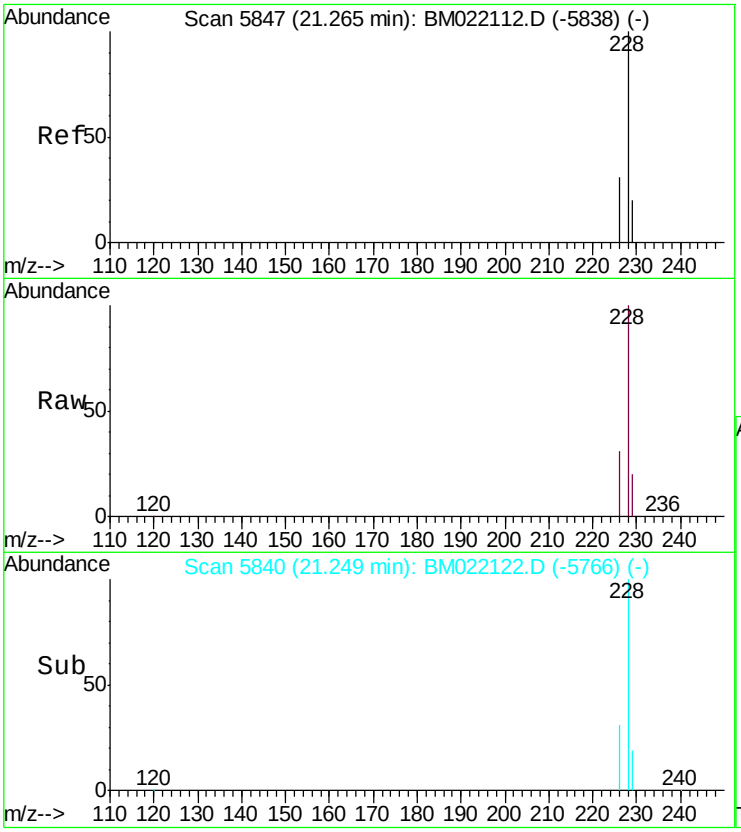


#18
Benzo(a)anthracene
Concen: 17.419 ng/ul m
RT: 21.20 min Scan# 5819
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:228 Resp: 295963

Ion	Ratio	Lower	Upper
228	100		
229	20.2	17.2	25.8
226	28.4	22.6	34.0

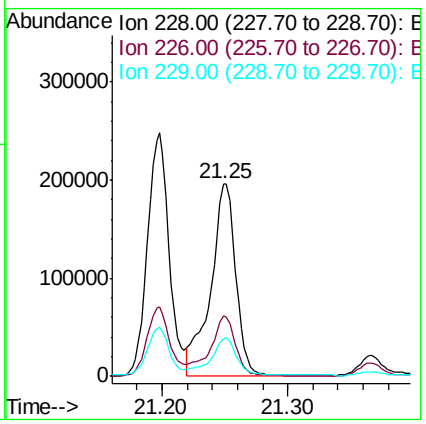




#19
Chrysene
Concen: 12.335 ng/ul
RT: 21.25 min Scan# 5840
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:228 Resp: 269532

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	19.7	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
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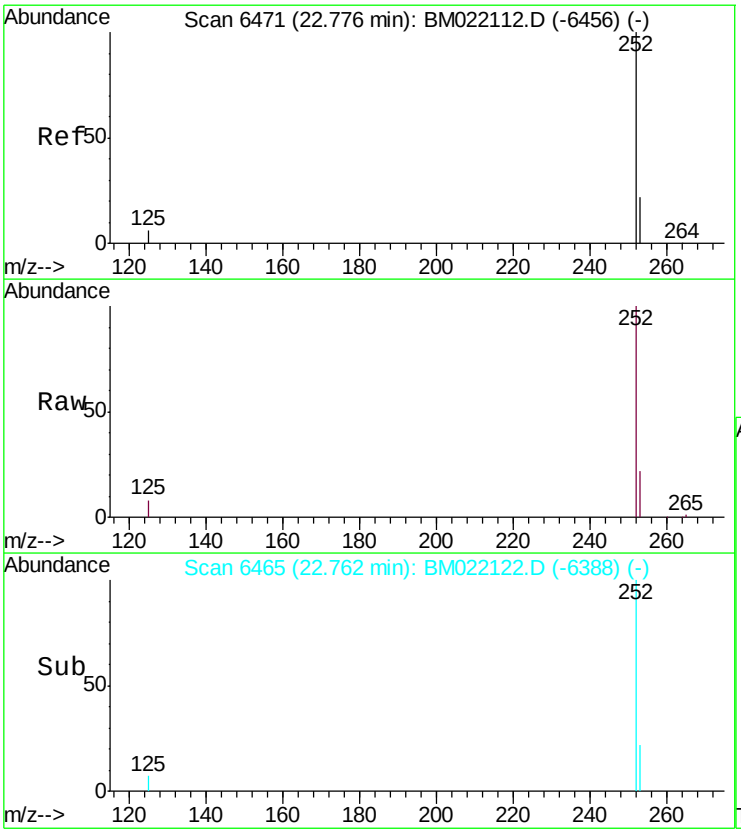
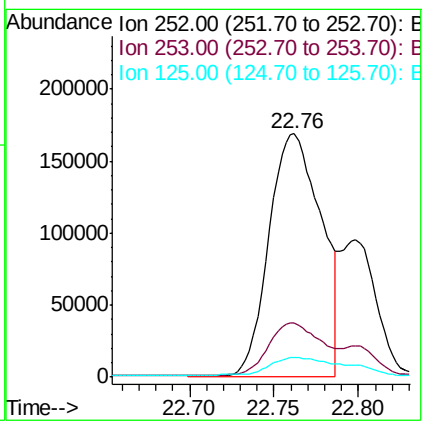
8/15/2019 5:09:45 PM

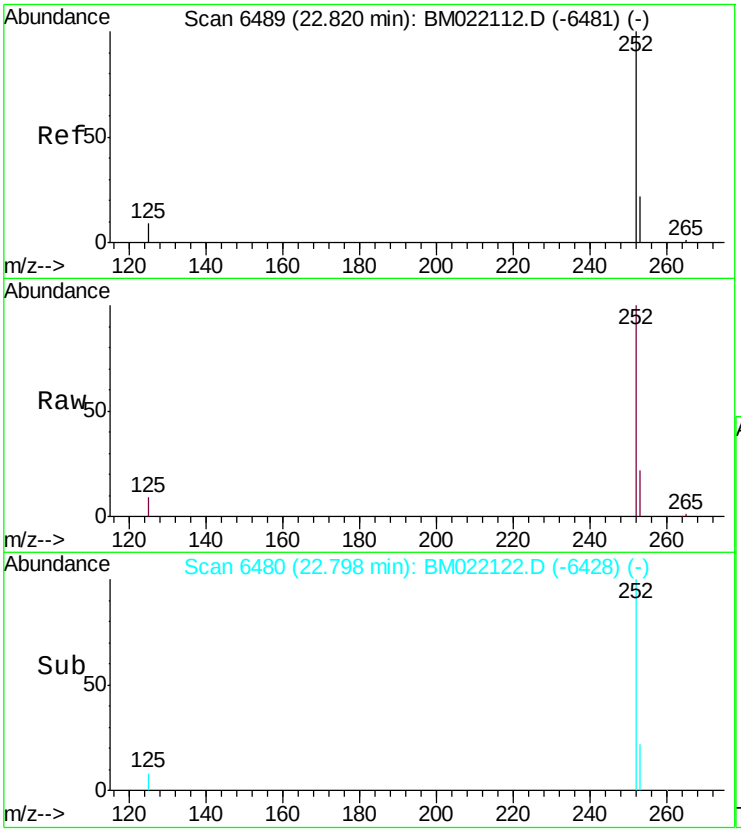


#21
Benzo(b)fluoranthene
Concen: 22.610 ng/ul m
RT: 22.76 min Scan# 6465
Delta R.T. -0.01 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:252 Resp: 365132

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	67.4
125	7.9	0.0	31.0





#22
Benzo(k)fluoranthene
Concen: 7.188 ng/ul m
RT: 22.80 min Scan# 6480
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:252 Resp: 131370

Ion	Ratio	Lower	Upper
252	100		
253	22.4	27.0	40.4#
125	8.7	12.2	18.2#

Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
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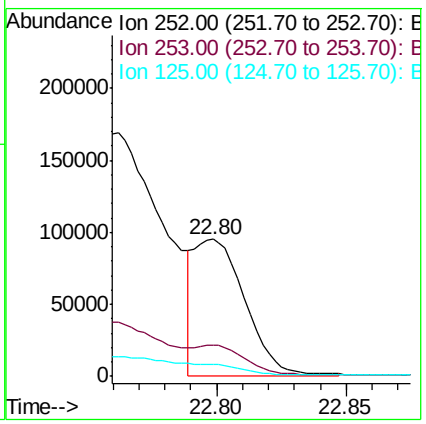
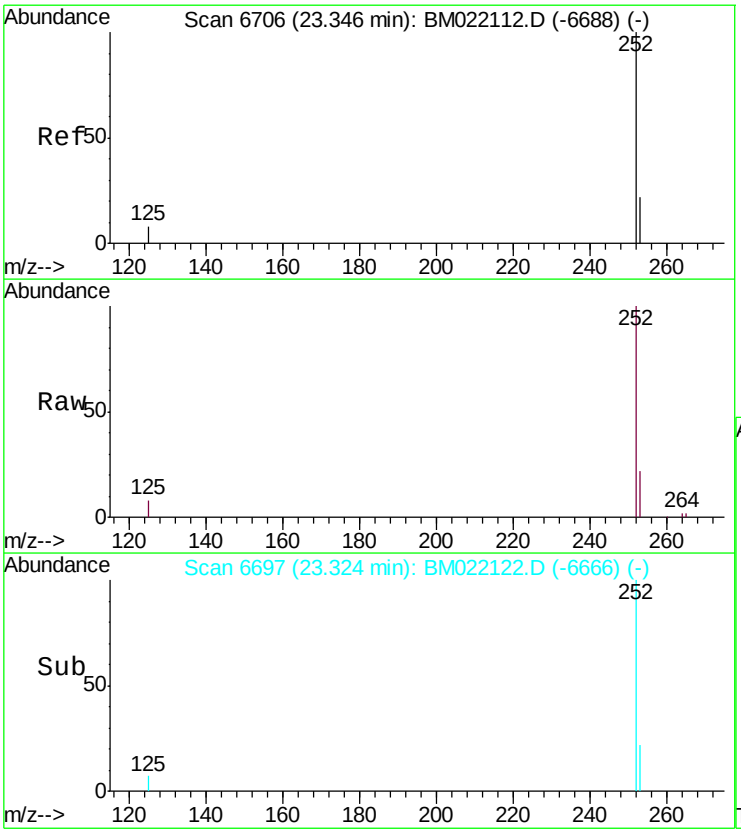
8/15/2019 5:09:45 PM

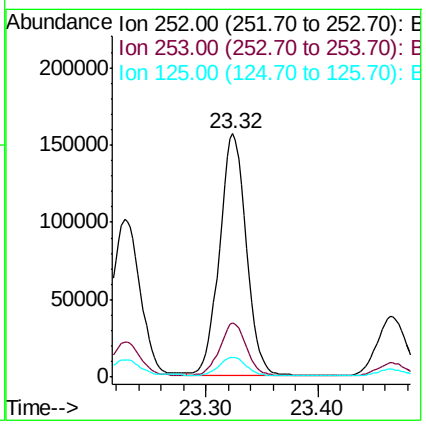


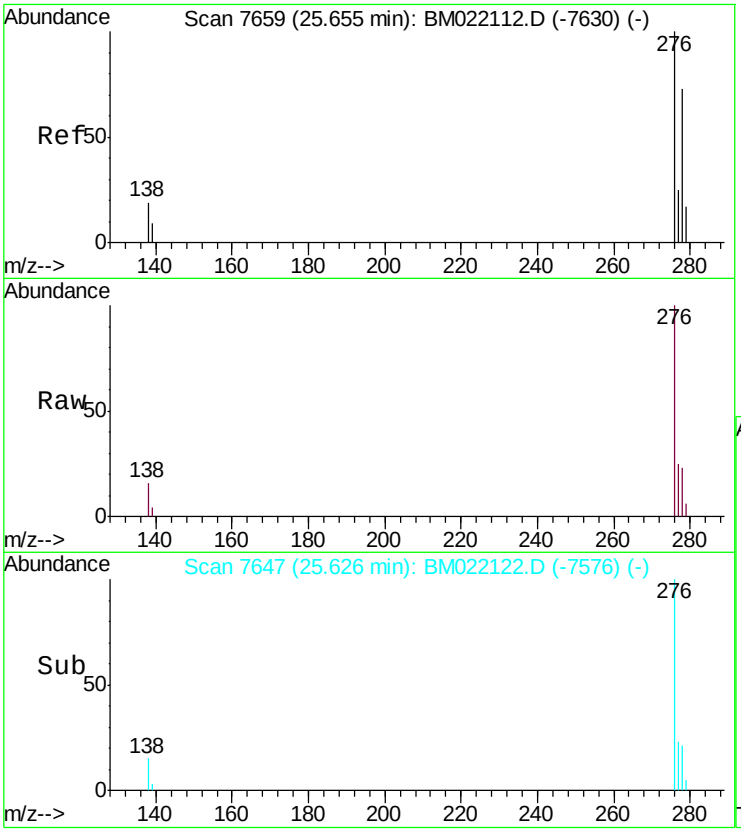


#23
Benzo(a)pyrene
Concen: 15.756 ng/ul
RT: 23.32 min Scan# 6697
Delta R.T. -0.02 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:252 Resp: 258770

Ion	Ratio	Lower	Upper
252	100		
253	22.1	31.7	47.5#
125	8.2	14.6	21.8#





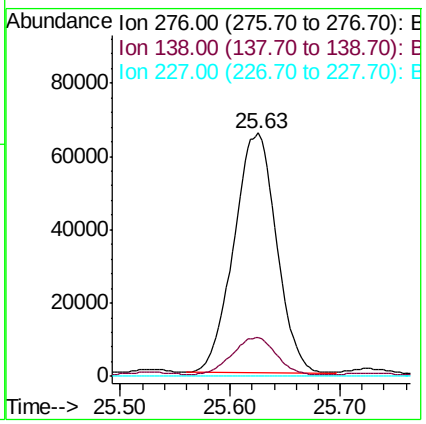
#24
Indeno(1,2,3-cd)pyrene
Concen: 9.011 ng/ul
RT: 25.63 min Scan# 7647
Delta R.T. -0.03 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

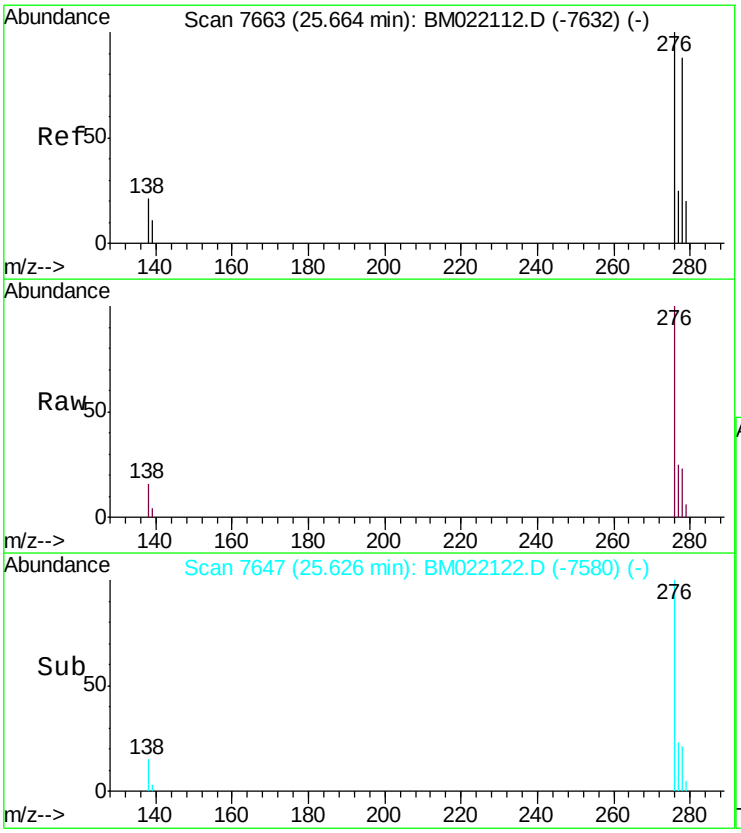
Tgt Ion:276 Resp: 176707

Ion	Ratio	Lower	Upper
276	100		
138	15.9	15.1	22.7
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:45 PM

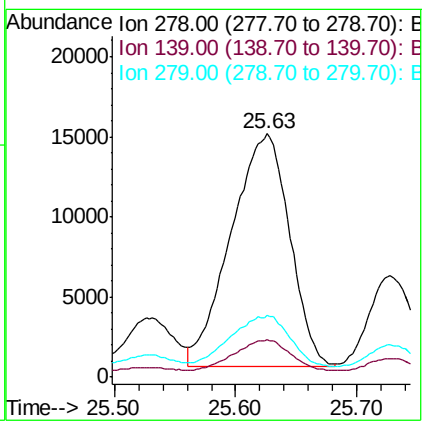


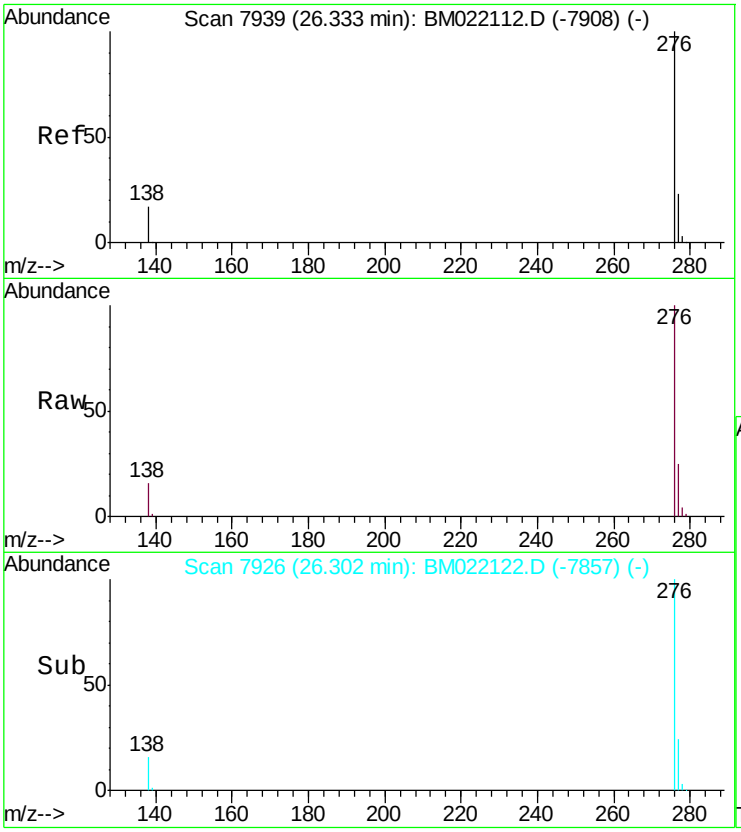


#25
Dibenzo(a,h)anthracene
Concen: 3.086 ng/ul m
RT: 25.63 min Scan# 7647
Delta R.T. -0.04 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:278 Resp: 48912

Ion	Ratio	Lower	Upper
278	100		
139	15.4	14.2	21.2
279	25.3	28.3	42.5#

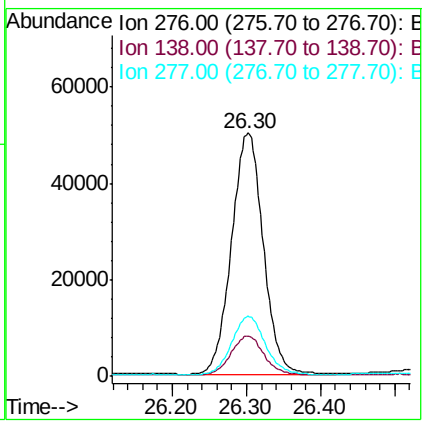




#26
Benzo(g,h,i)perylene
Concen: 8.434 ng/ul
RT: 26.30 min Scan# 7926
Delta R.T. -0.03 min
Lab File: BM022122.D
Acq: 14 Aug 2019 23:43

Tgt Ion:276 Resp: 148899

Ion	Ratio	Lower	Upper
276	100		
138	16.5	15.5	23.3
277	24.7	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
CB5N8

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:45 PM