Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021872.D
Acq On : 06 Aug 2019 23:33
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:20 PM

Quant Time: Aug 07 04:51:12 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 07 04:02:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	856	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.40	136	3635	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2062	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5013m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4886m	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	4994m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1487	0.25	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	4474m	0.26	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.45	128	818	0.080	ng/ul#	89
5) 2-Methylnaphthalene	12.09	142	370	0.054	ng/ul	99
7) Acenaphthylene	14.00	152	2597	0.270	ng/ul#	83
8) Acenaphthene	14.34	153	1101	0.140	ng/ul	98
9) Fluorene	15.34	166	1406	0.161	ng/ul#	98
12) Phenanthrene	17.07	178	36347m	2.492	ng/ul	
13) Anthracene	17.17	178	6140m	0.493	ng/ul	
15) Fluoranthene	19.10	202	120934m	6.189	ng/ul	
17) Pyrene	19.46	202	103290	5.144	ng/ul	100
18) Benzo(a)anthracene	21.22	228	52302	2.993	ng/ul	98
19) Chrysene	21.27	228	70047	3.116	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	101825m	6.046	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	35632m	1.870	ng/ul	
23) Benzo(a)pyrene	23.35	252	58878m	3.438	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	49966m	2.443	ng/ul	
25) Dibenzo(a,h)anthracene	25.67	278	11878m	0.719	ng/ul	
26) Benzo(g,h,i)perylene	26.34	276	41353m	2.246	ng/ul	

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

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED
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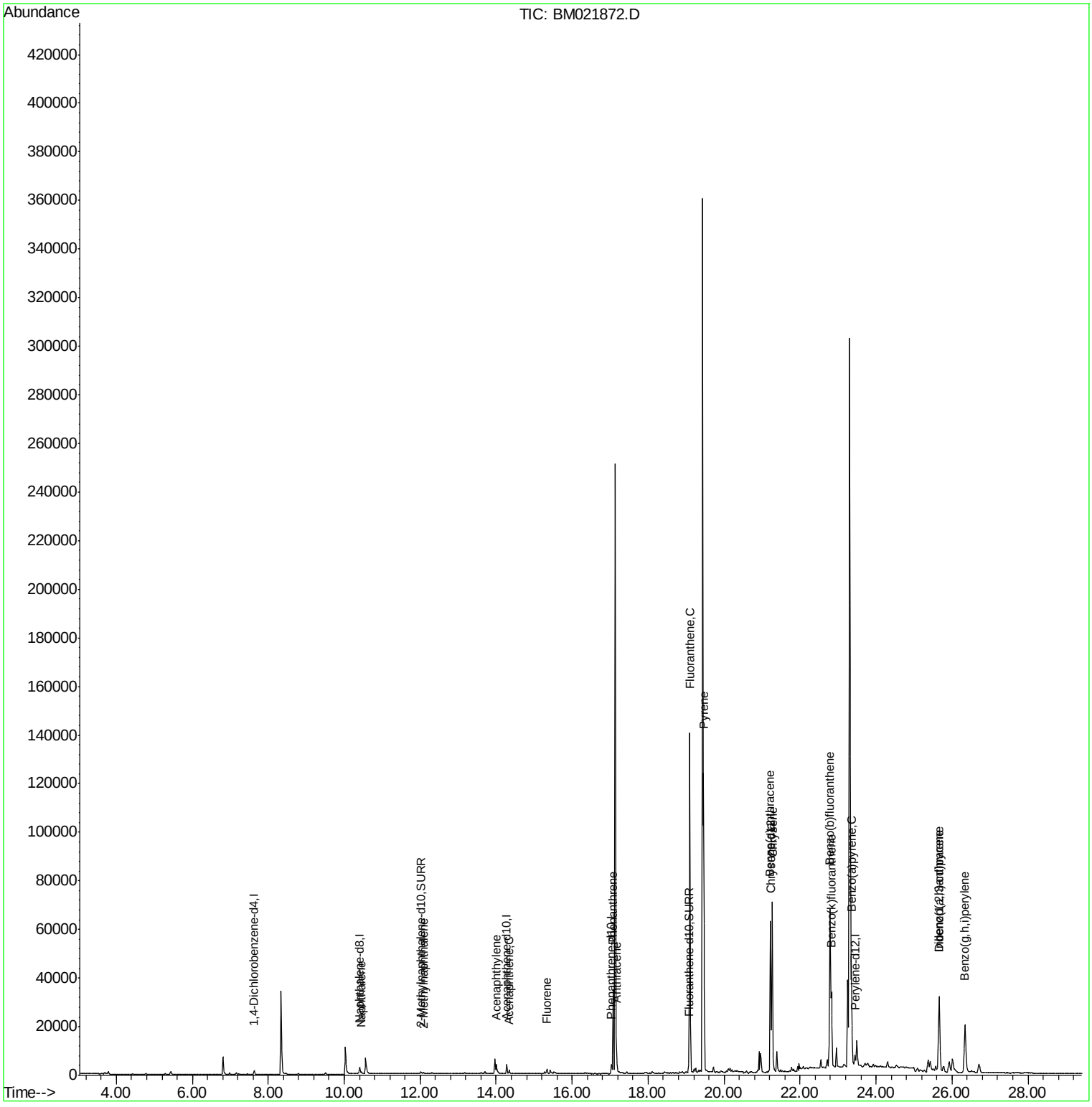

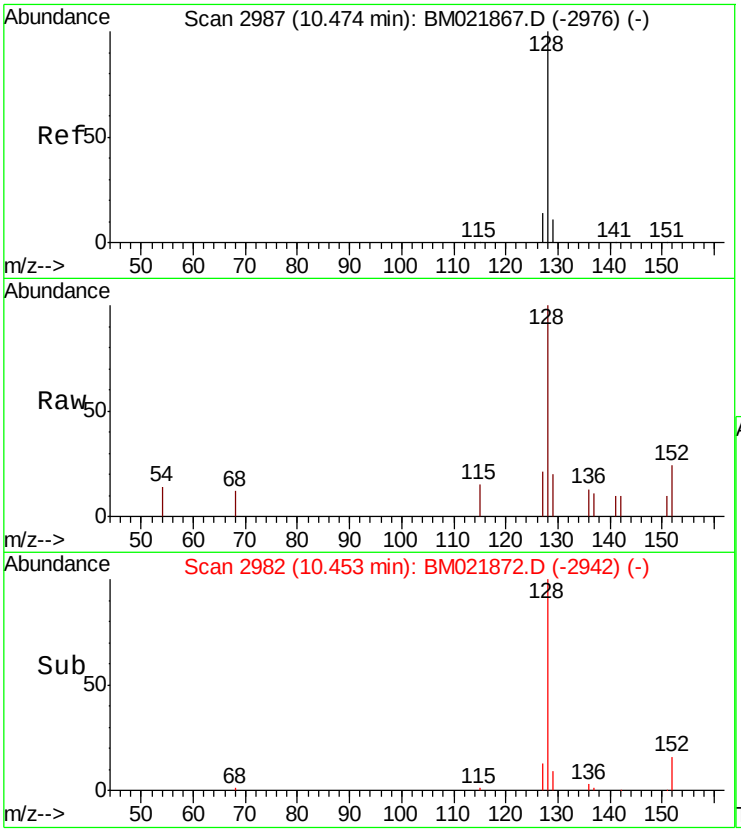

#3
Naphthalene
Concen: 0.080 ng/ul
RT: 10.45 min Scan# 2982
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:128 Resp: 818

Ion	Ratio	Lower	Upper
128	100		
129	19.7	12.3	18.5#
127	21.3	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
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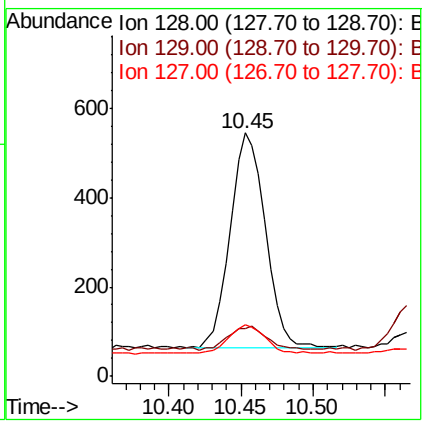
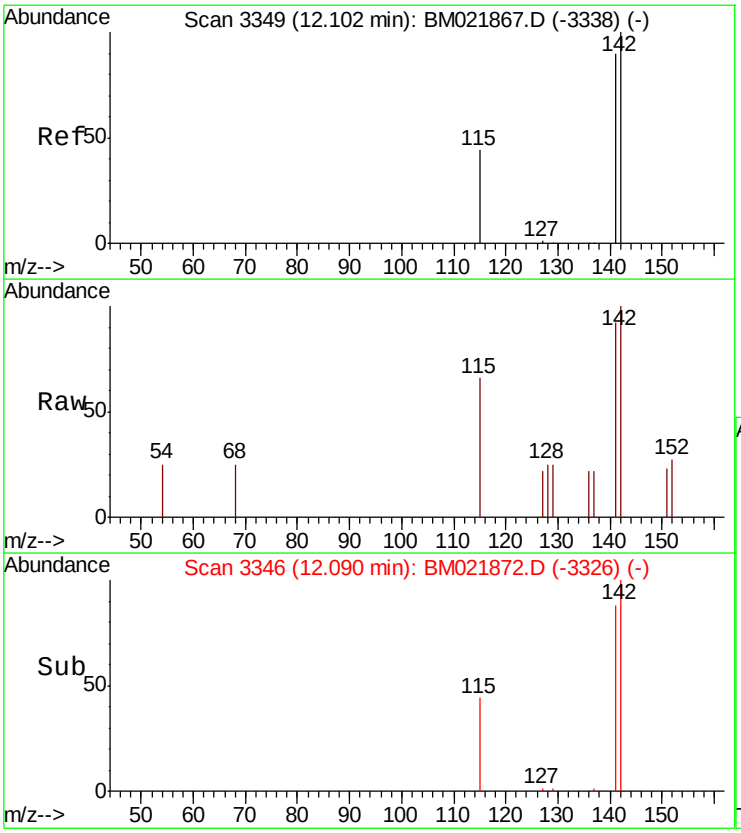
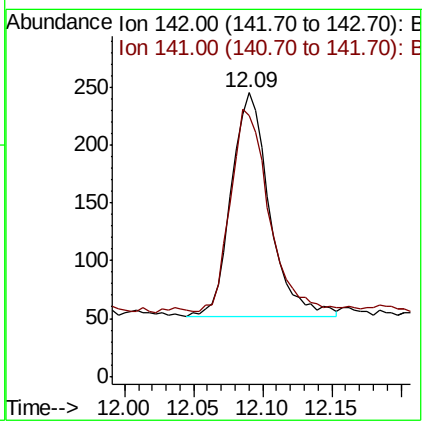


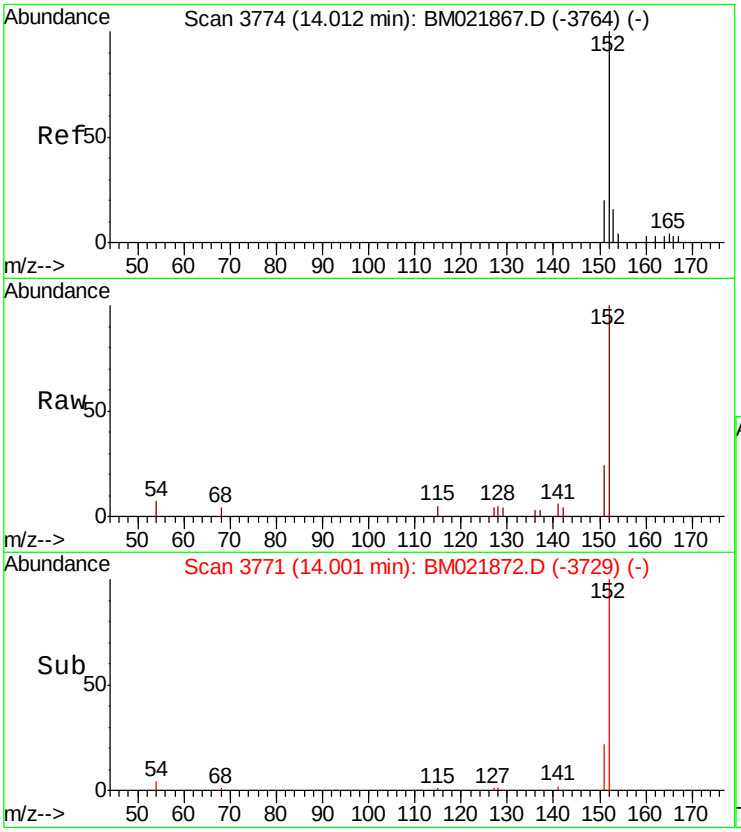


#5
2-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 12.09 min Scan# 3346
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:142 Resp: 370

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.3	111.5

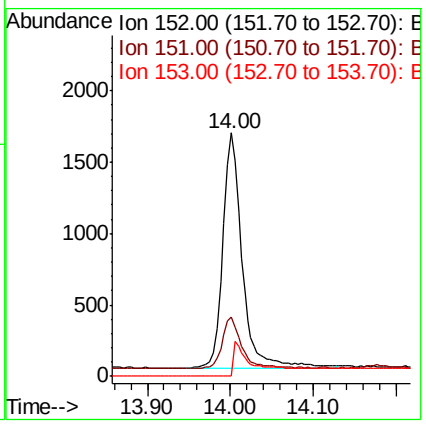




#7
Acenaphthylene
Concen: 0.270 ng/ul
RT: 14.00 min Scan# 3771
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:152 Resp: 2597

Ion	Ratio	Lower	Upper
152	100		
151	24.3	18.3	27.5
153	0.0	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
BEP13

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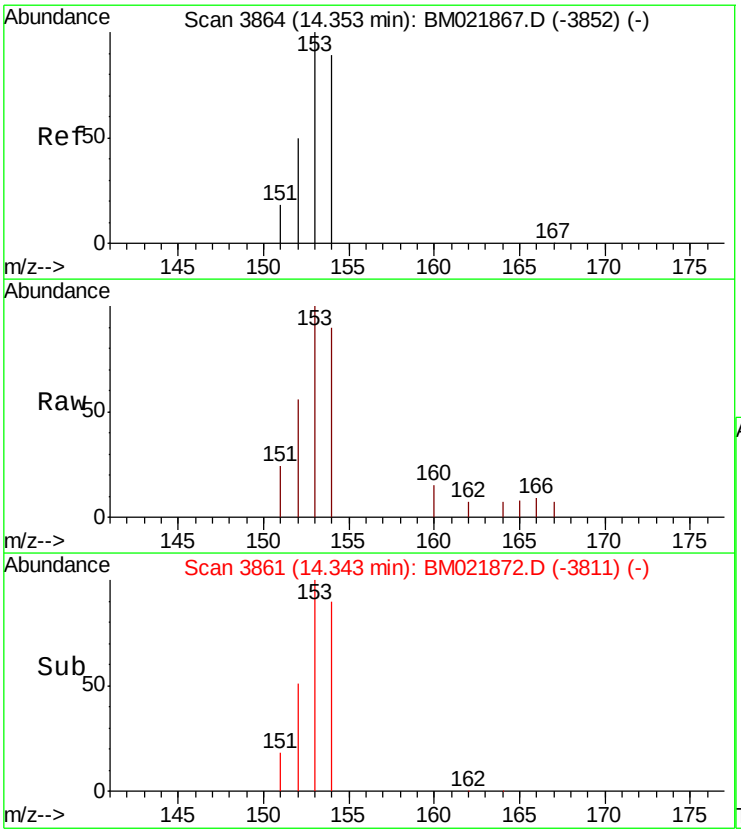
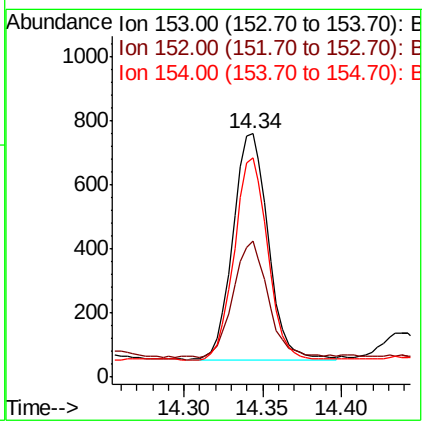
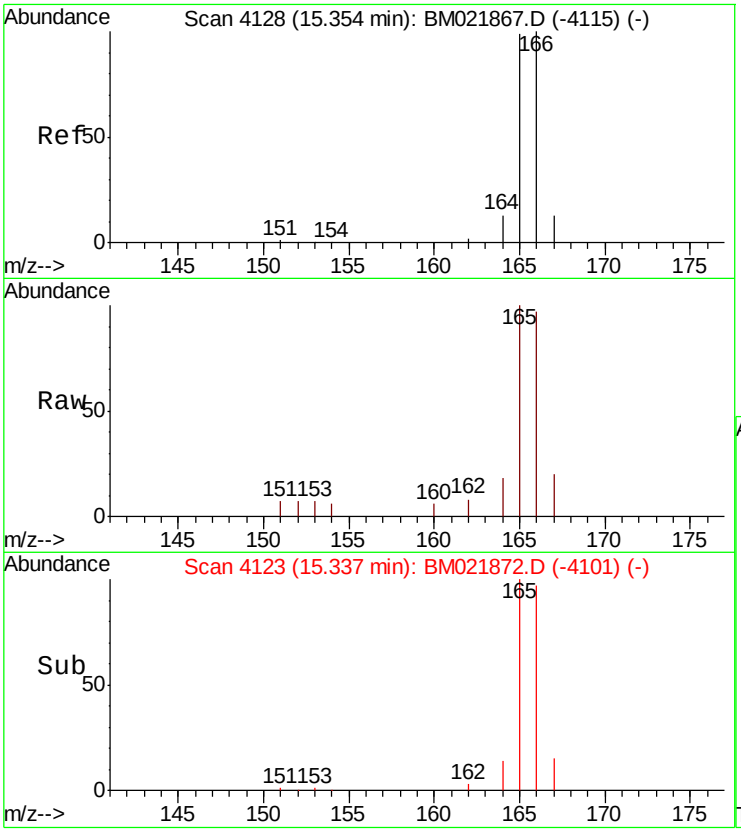


#8
Acenaphthene
Concen: 0.140 ng/ul
RT: 14.34 min Scan# 3861
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:153 Resp: 1101

Ion	Ratio	Lower	Upper
153	100		
152	55.7	41.3	61.9
154	90.1	72.3	108.5

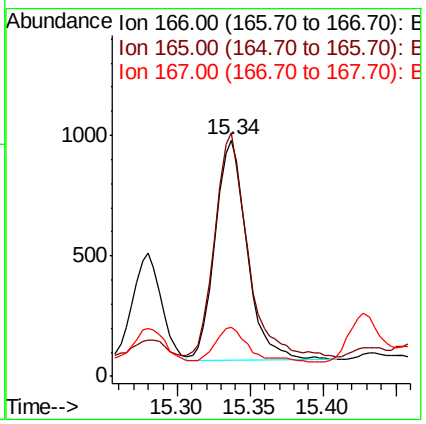




#9
Fluorene
Concen: 0.161 ng/ul
RT: 15.34 min Scan# 4123
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:166 Resp: 1406

Ion	Ratio	Lower	Upper
166	100		
165	103.2	81.4	122.0
167	20.8	13.7	20.5#



Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
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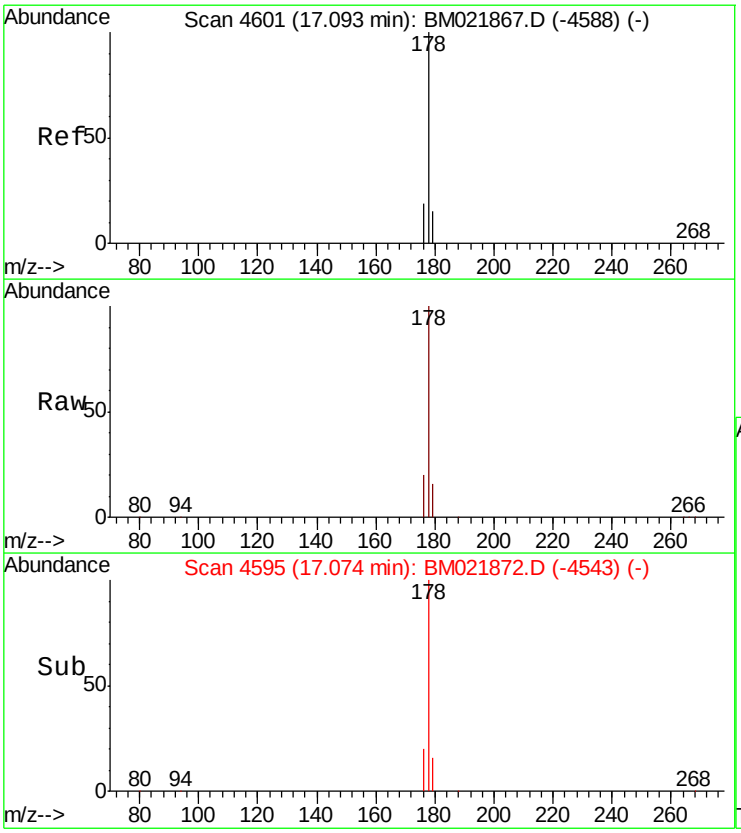
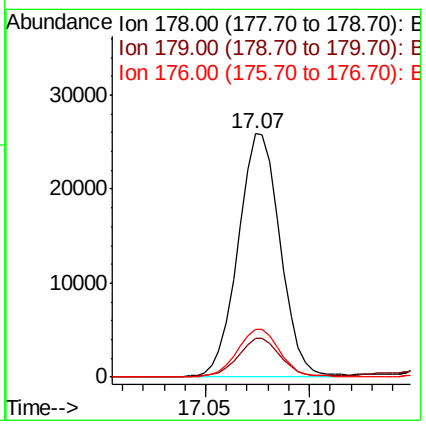
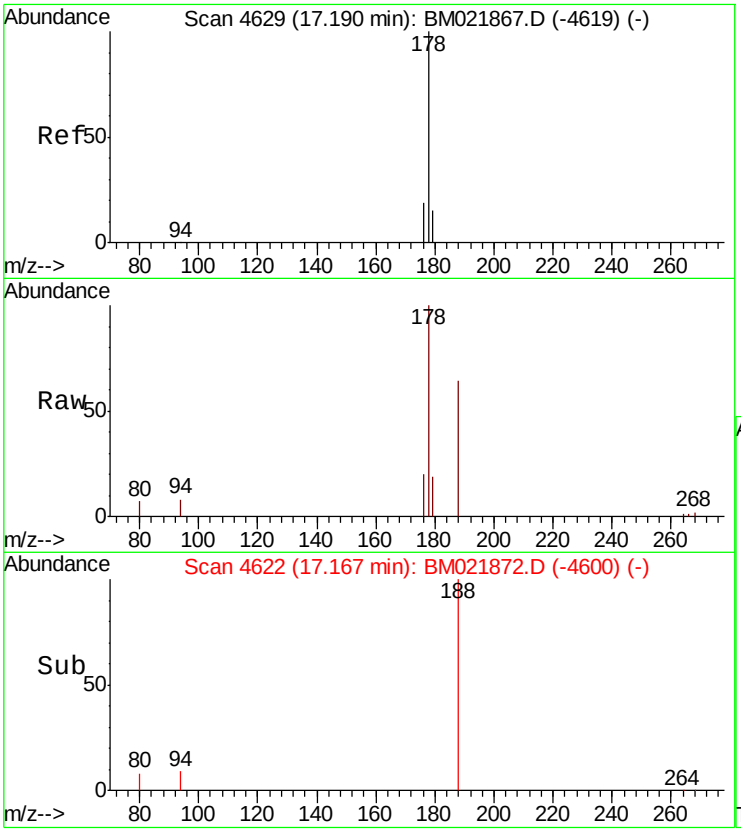


#12
Phenanthrene
Concen: 2.492 ng/ul m
RT: 17.07 min Scan# 4595
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:178 Resp: 36347

Ion	Ratio	Lower	Upper
178	100		
179	15.8	14.2	21.2
176	19.9	16.8	25.2

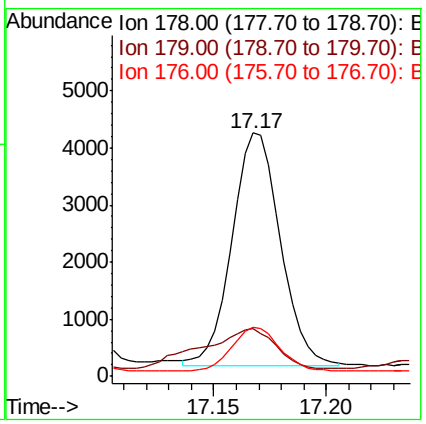




#13
Anthracene
Concen: 0.493 ng/ul m
RT: 17.17 min Scan# 4622
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:178 Resp: 6140

Ion	Ratio	Lower	Upper
178	100		
179	19.5	15.5	23.3
176	20.1	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BEP13

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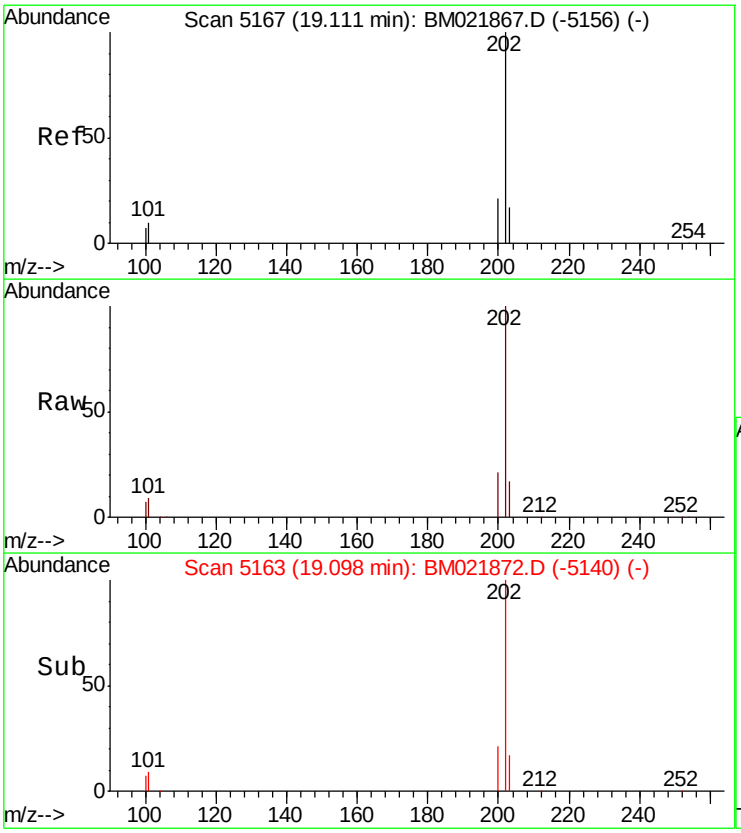
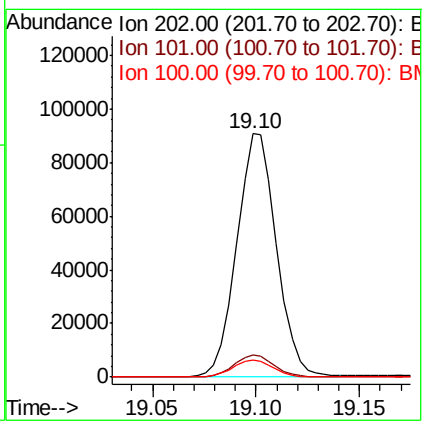
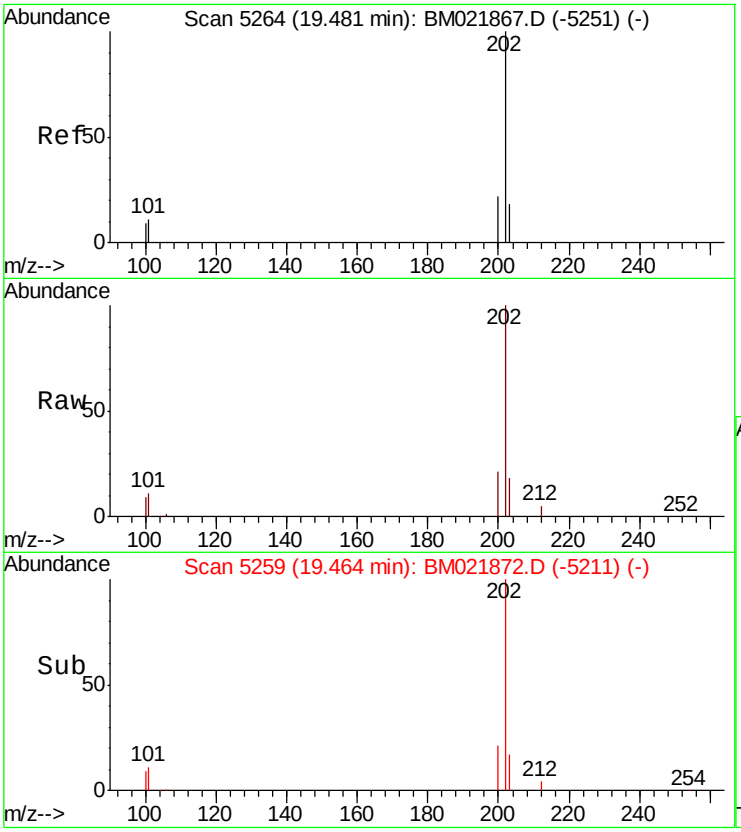


#15
Fluoranthene
Concen: 6.189 ng/ul m
RT: 19.10 min Scan# 5163
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:202 Resp: 120934

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
100	7.1	0.0	28.1

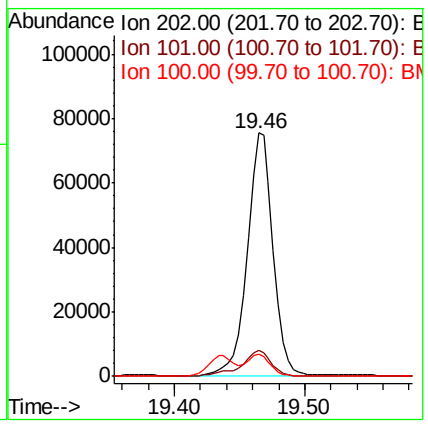




#17
Pyrene
Concen: 5.144 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:202 Resp: 103290

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.3	12.5
100	9.0	7.2	10.8



Instrument :
BNA_M
ClientSampleId :
BEP13

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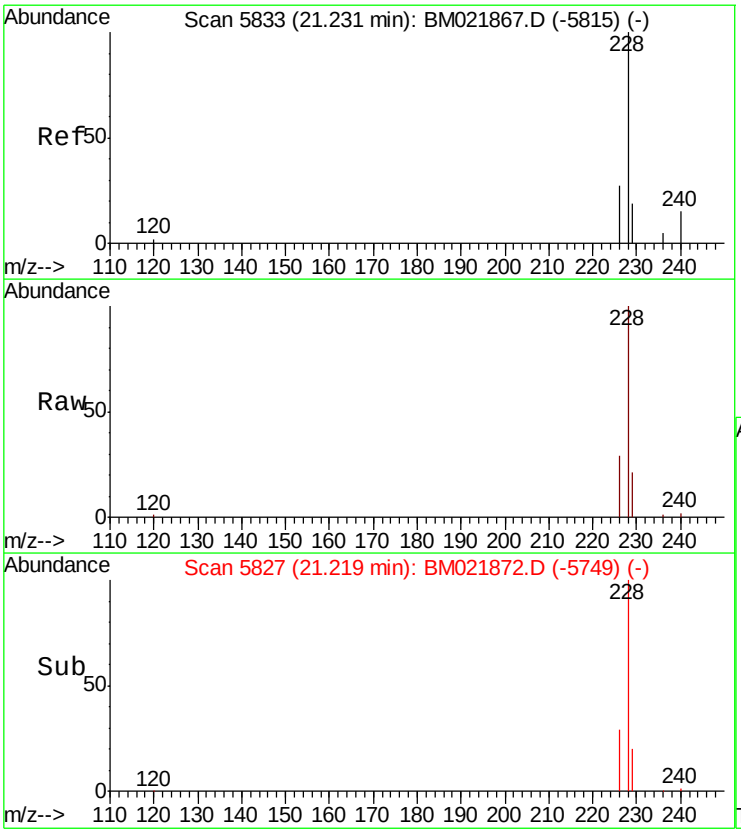
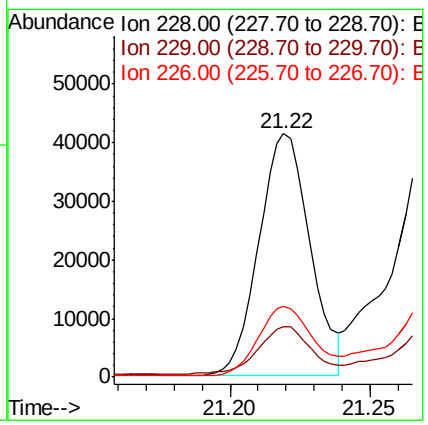
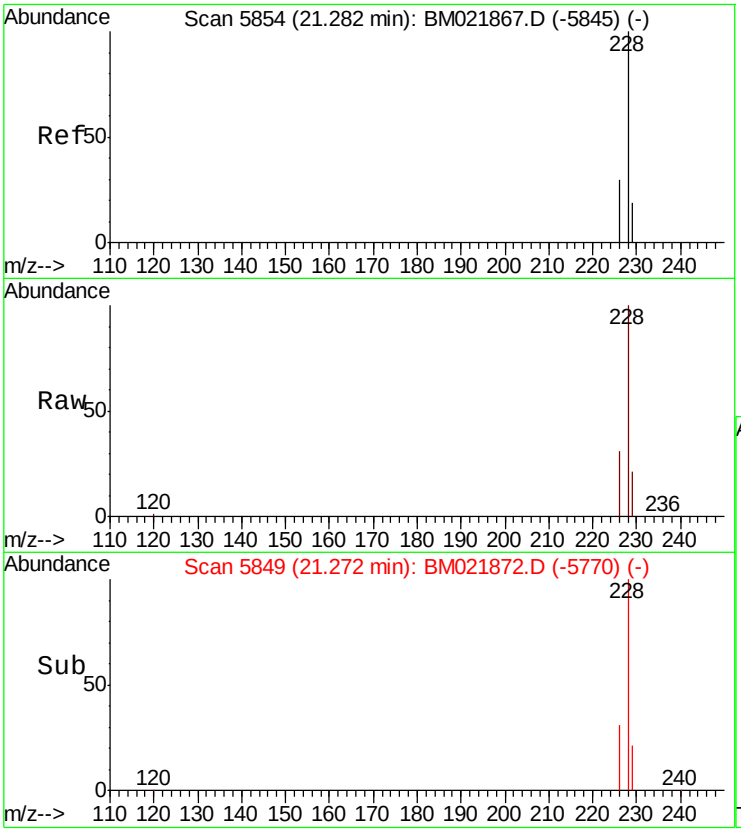


#18
Benzo(a)anthracene
Concen: 2.993 ng/ul
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:228 Resp: 52302

Ion	Ratio	Lower	Upper
228	100		
229	20.7	17.2	25.8
226	29.0	22.6	34.0

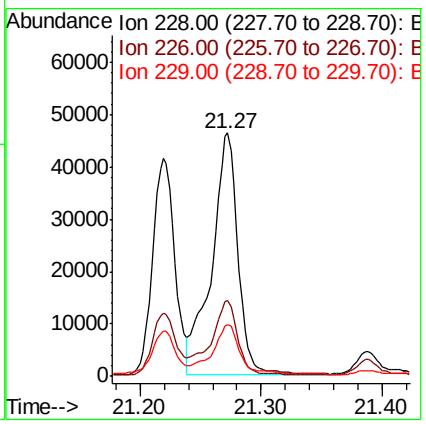




#19
Chrysene
Concen: 3.116 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:228 Resp: 70047

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.4	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
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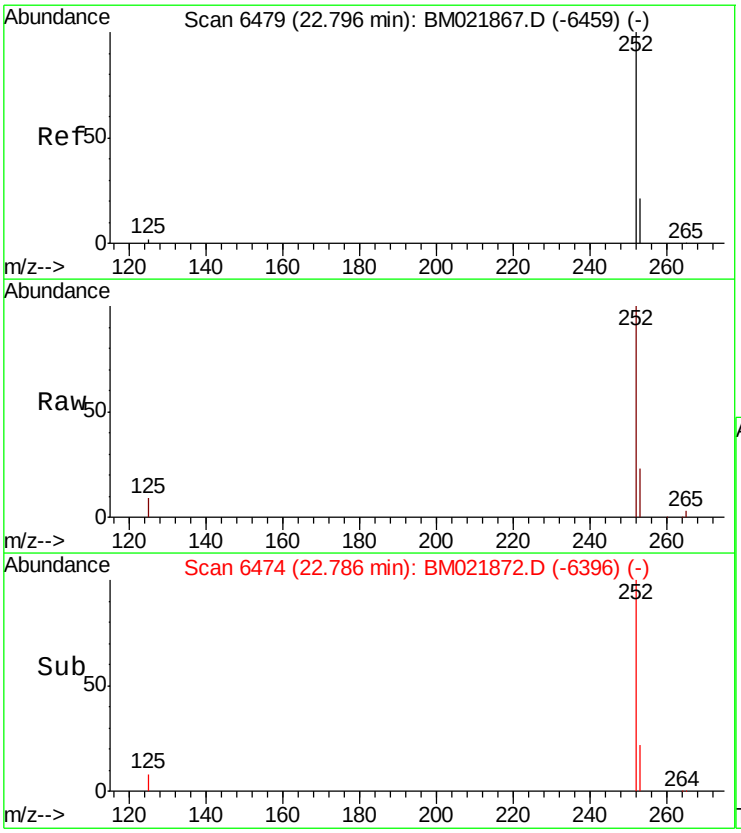
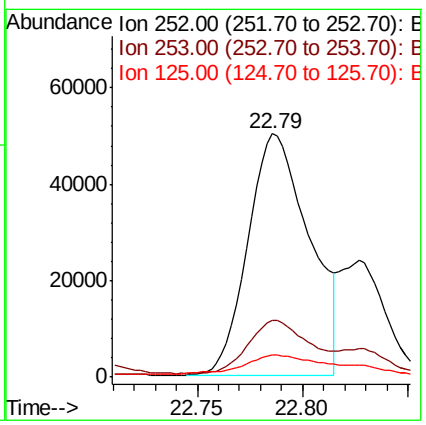
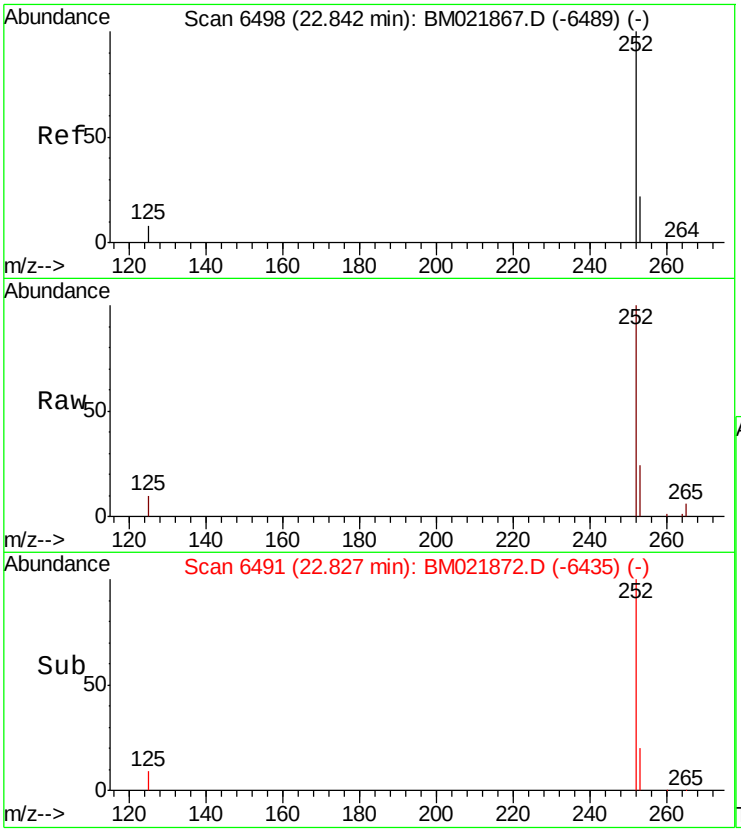


#21
Benzo(b)fluoranthene
Concen: 6.046 ng/ul m
RT: 22.79 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:252 Resp: 101825

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	67.4
125	8.9	0.0	31.0

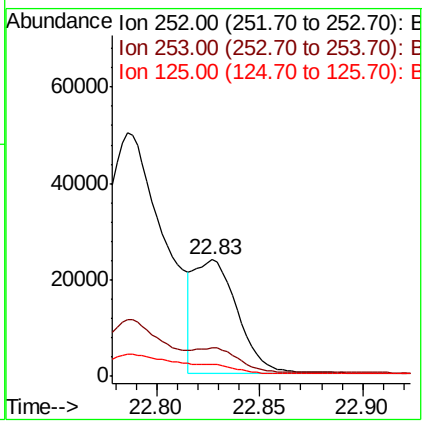




#22
Benzo(k)fluoranthene
Concen: 1.870 ng/ul m
RT: 22.83 min Scan# 6491
Delta R.T. -0.01 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:252 Resp: 35632

Ion	Ratio	Lower	Upper
252	100		
253	24.5	27.0	40.4#
125	10.4	12.2	18.2#



Instrument :
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ClientSampleId :
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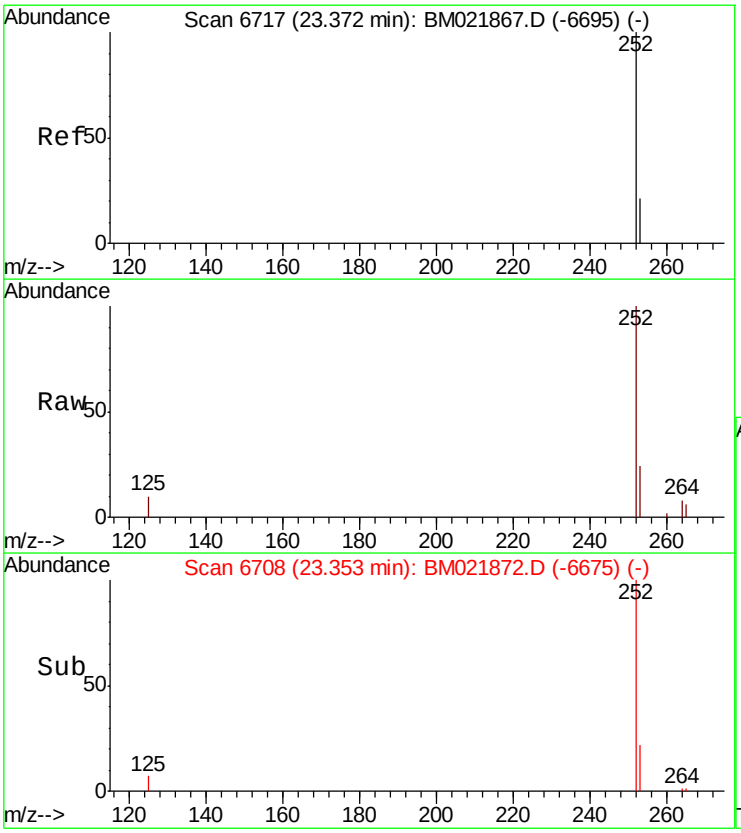
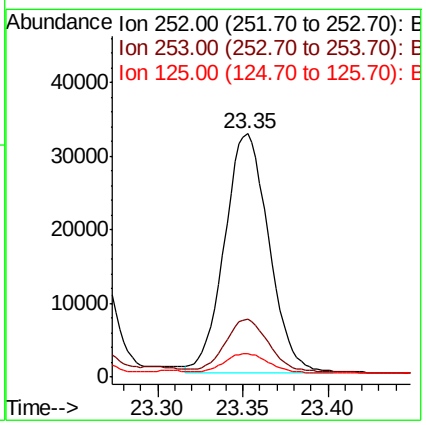
8/7/2019 12:12:20 PM

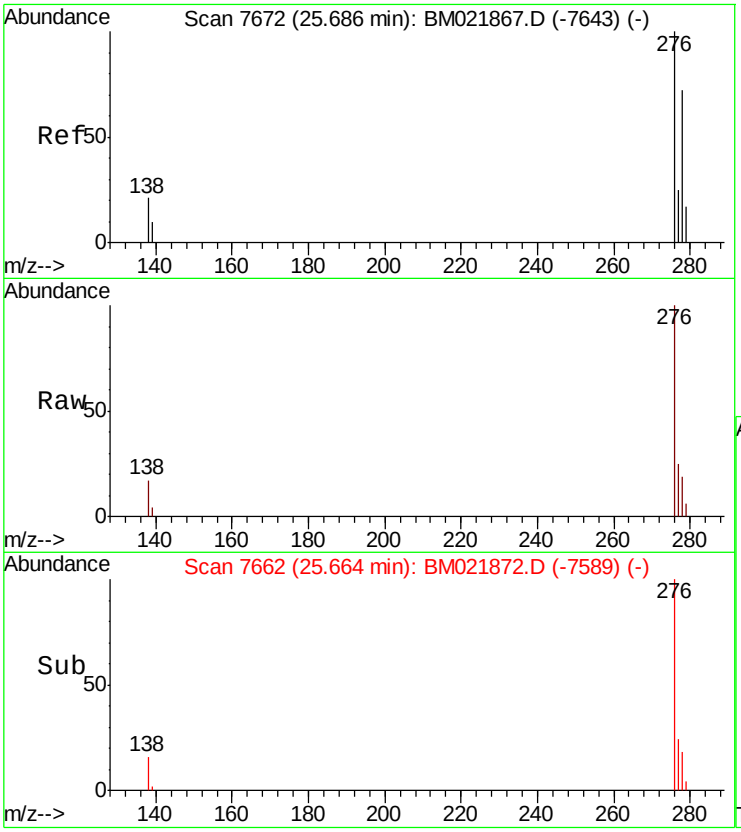


#23
Benzo(a)pyrene
Concen: 3.438 ng/ul m
RT: 23.35 min Scan# 6708
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:252 Resp: 58878

Ion	Ratio	Lower	Upper
252	100		
253	23.6	31.7	47.5#
125	9.5	14.6	21.8#





#24
Indeno(1,2,3-cd)pyrene
Concen: 2.443 ng/ul m
RT: 25.66 min Scan# 7662
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:276 Resp: 49966

Ion	Ratio	Lower	Upper
276	100		
138	1.5	15.1	22.7#
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
BEP13

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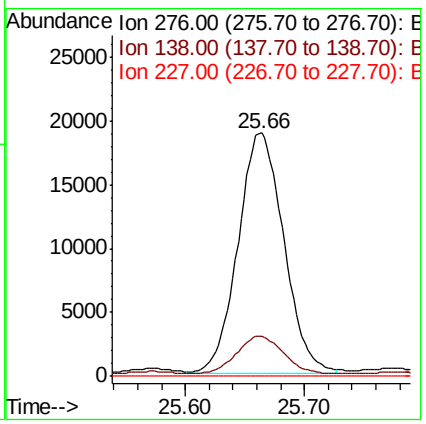
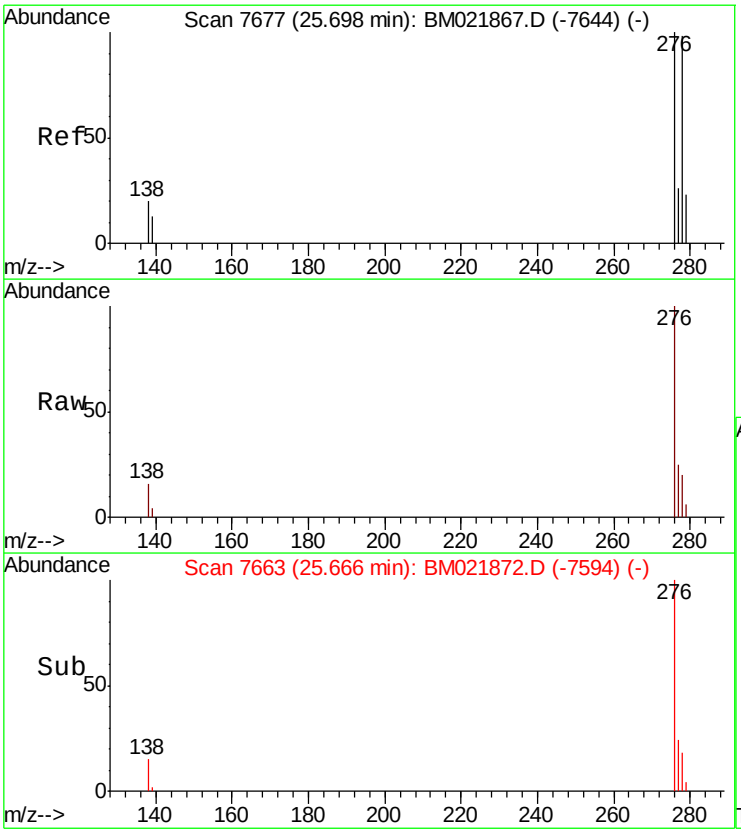
8/7/2019 12:12:20 PM

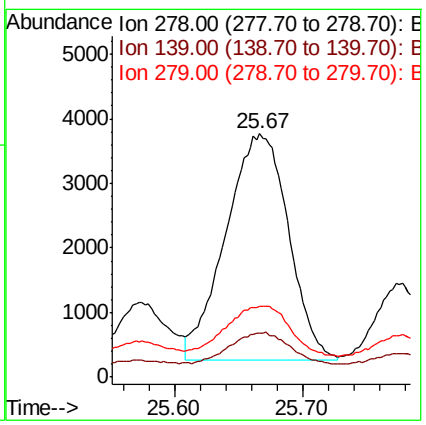


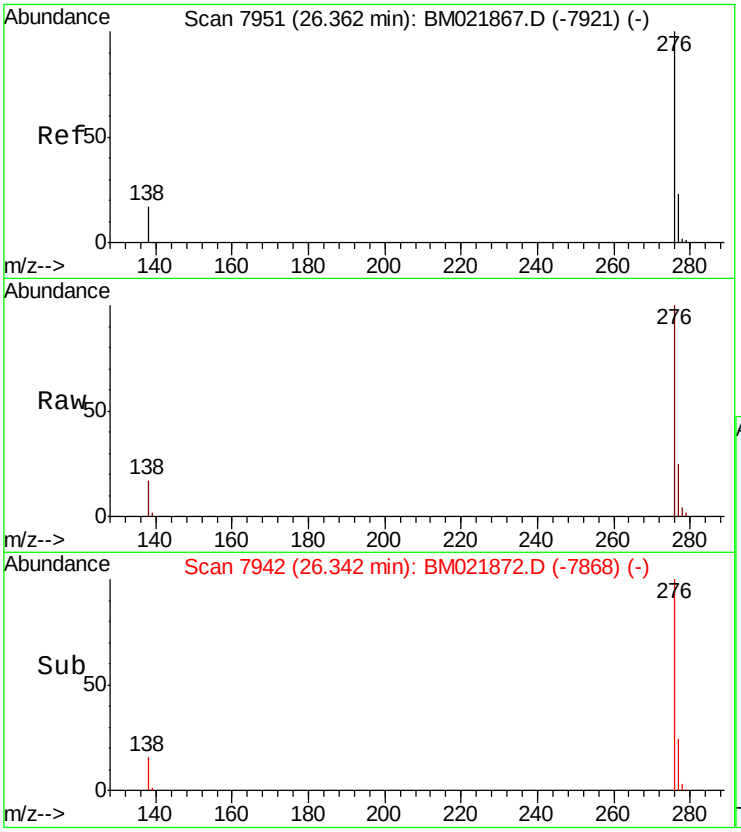


#25
Dibenzo(a,h)anthracene
Concen: 0.719 ng/ul m
RT: 25.67 min Scan# 7663
Delta R.T. -0.03 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:278 Resp: 11878

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.2	21.2
279	29.0	28.3	42.5

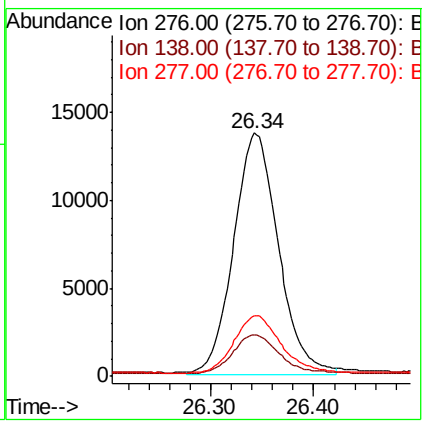




#26
Benzo(g,h,i)perylene
Concen: 2.246 ng/ul m
RT: 26.34 min Scan# 7942
Delta R.T. -0.02 min
Lab File: BM021872.D
Acq: 06 Aug 2019 23:33

Tgt Ion:276 Resp: 41353

Ion	Ratio	Lower	Upper
276	100		
138	17.2	15.5	23.3
277	24.7	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
BEP13

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:20 PM