Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022174.D
Acq On : 16 Aug 2019 17:36
Operator : HP/JU
Sample : K4242-08RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF7RE

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:10 PM

Quant Time: Aug 19 14:50:06 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 : Mon Aug 19 04:47:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	991	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3646	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.25	164	2425	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	5093m	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	6936m	0.40	ng/ul	0.02
20) Perylene-d12	23.51	264	11008m	0.40	ng/ul	0.07
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1973	0.33	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	7190m	0.42	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.41	128	18647	1.811	ng/ul#	68
5) 2-Methylnaphthalene	12.04	142	10154	1.480	ng/ul	99
7) Acenaphthylene	13.97	152	9793	0.866	ng/ul#	80
8) Acenaphthene	14.31	153	1666	0.180	ng/ul#	87
9) Fluorene	15.30	166	2079	0.202	ng/ul#	69
12) Phenanthrene	17.05	178	29689m	2.003	ng/ul	
13) Anthracene	17.14	178	11229m	0.888	ng/ul	
15) Fluoranthene	19.09	202	145095m	7.309	ng/ul	
17) Pyrene	19.45	202	209100	7.336	ng/ul#	94
18) Benzo(a)anthracene	21.23	228	79801m	3.217	ng/ul	
19) Chrysene	21.28	228	86228m	2.702	ng/ul	
21) Benzo(b)fluoranthene	22.83	252	231854m	6.246	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	121403m	2.890	ng/ul	
23) Benzo(a)pyrene	23.41	252	271550m	7.193	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.74	276	172282	3.822	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.73	278	42901m	1.178	ng/ul	
26) Benzo(g,h,i)perylene	26.43	276	169798	4.184	ng/ul#	87

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

Quantitation Report (QT Reviewed)

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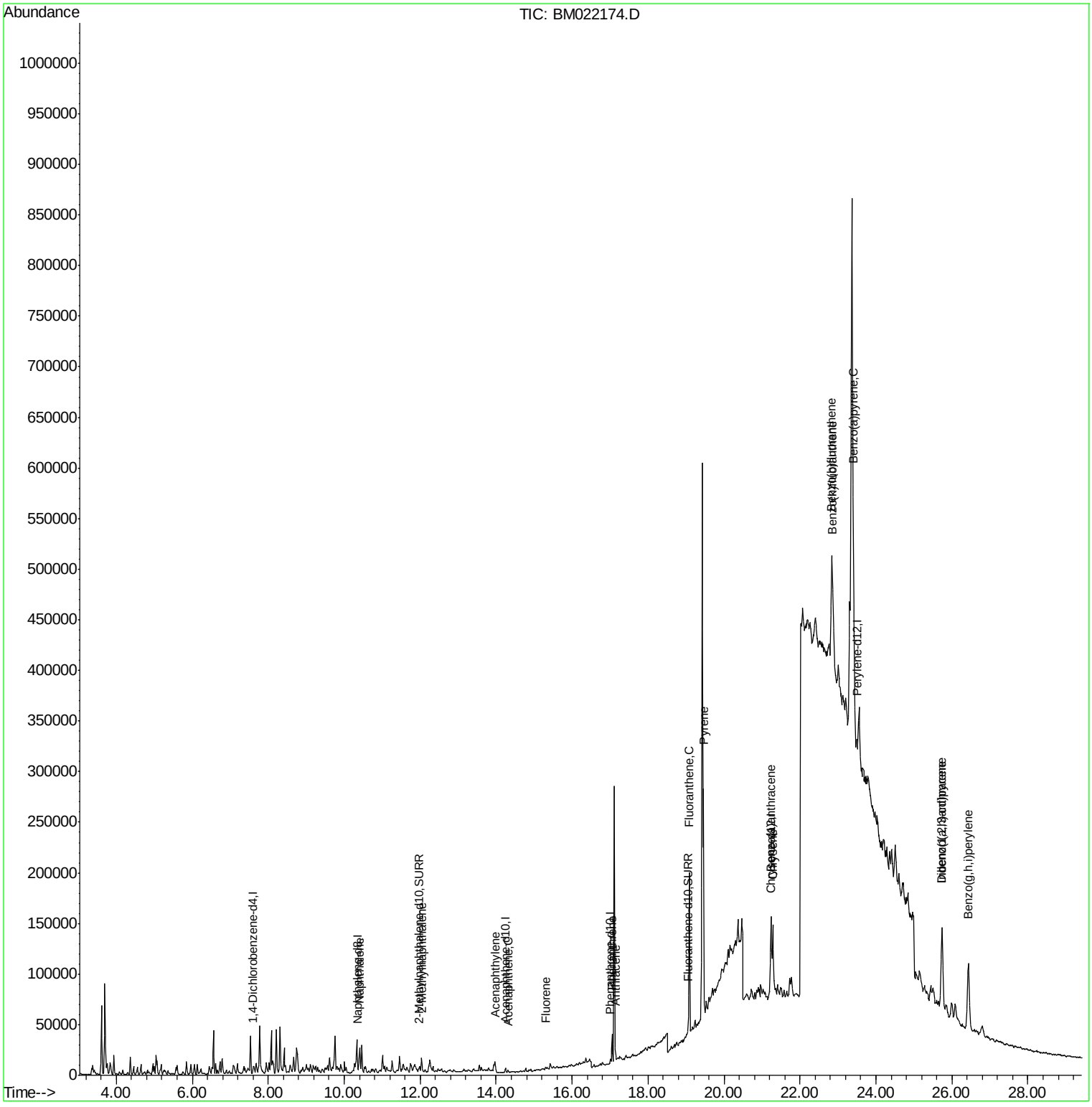

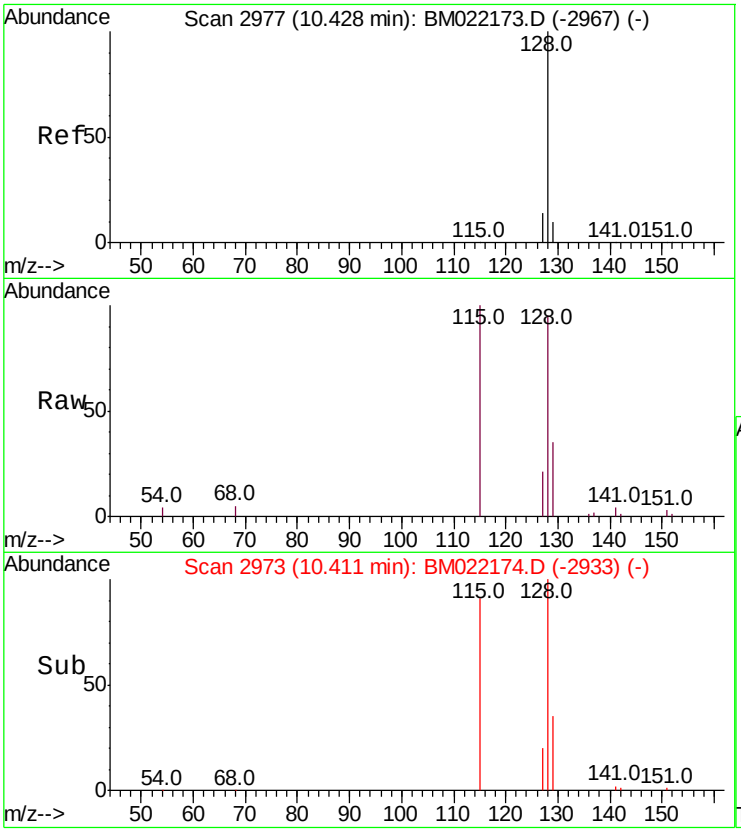

#3
Naphthalene
Concen: 1.811 ng/ul
RT: 10.41 min Scan# 2973
Delta R.T. -0.02 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:128 Resp: 18647

Ion	Ratio	Lower	Upper
128	100		
129	37.1	12.3	18.5#
127	22.0	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
C0AF7RE

Manual Integrations APPROVED
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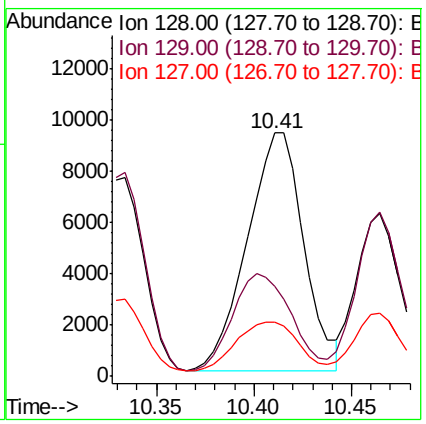
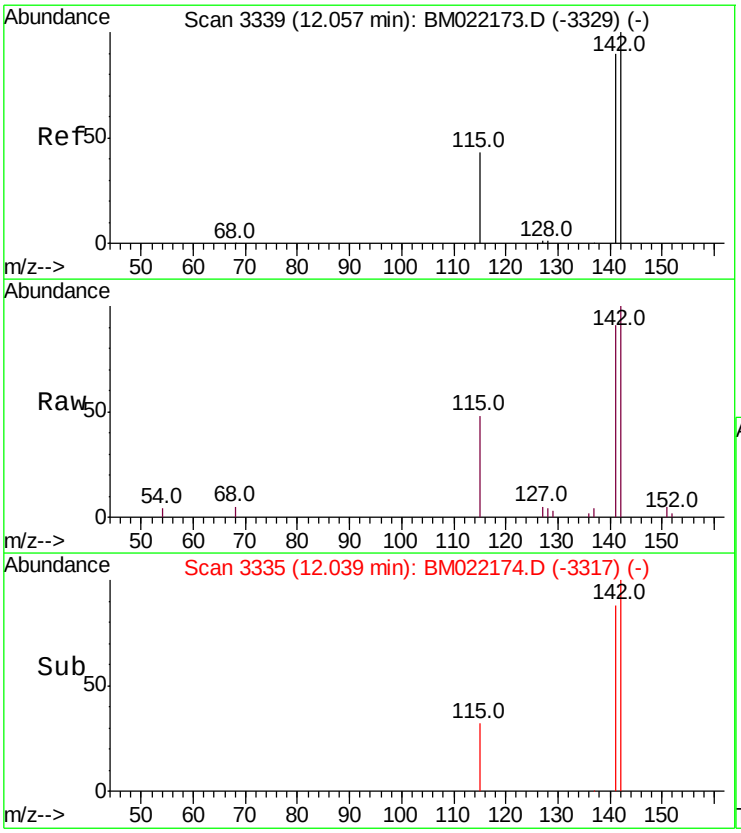
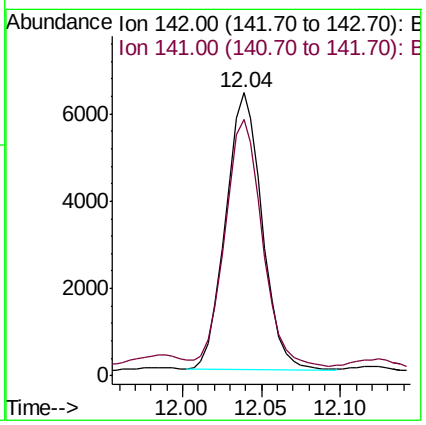


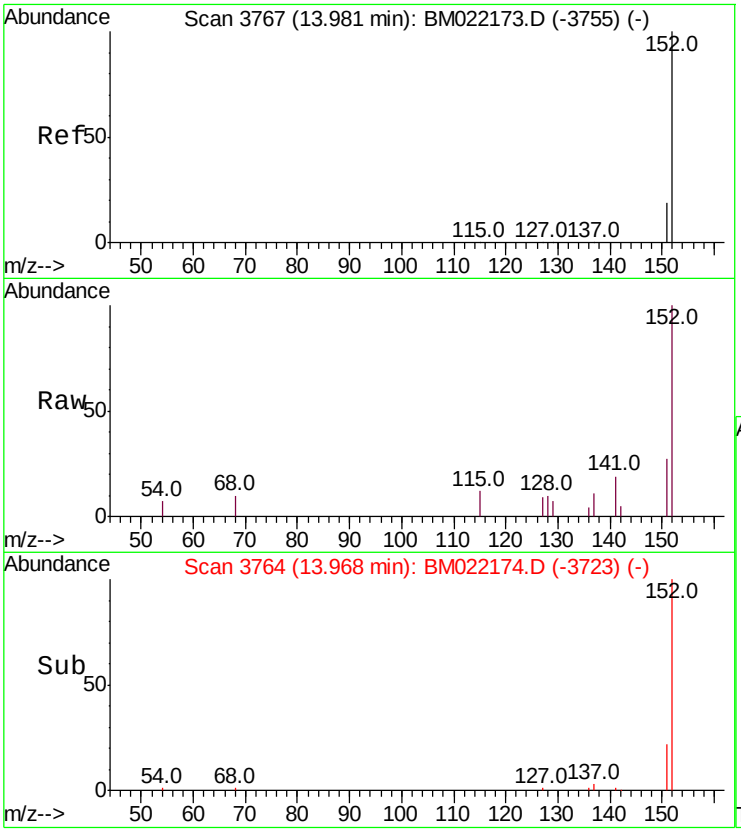


#5
2-Methylnaphthalene
Concen: 1.480 ng/ul
RT: 12.04 min Scan# 3335
Delta R.T. -0.02 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:142 Resp: 10154

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.3	111.5

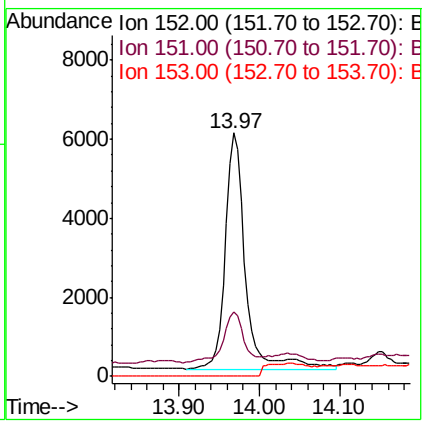




#7
Acenaphthylene
Concen: 0.866 ng/ul
RT: 13.97 min Scan# 3764
Delta R.T. -0.01 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:152 Resp: 9793

Ion	Ratio	Lower	Upper
152	100		
151	26.7	18.3	27.5
153	0.0	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
C0AF7RE

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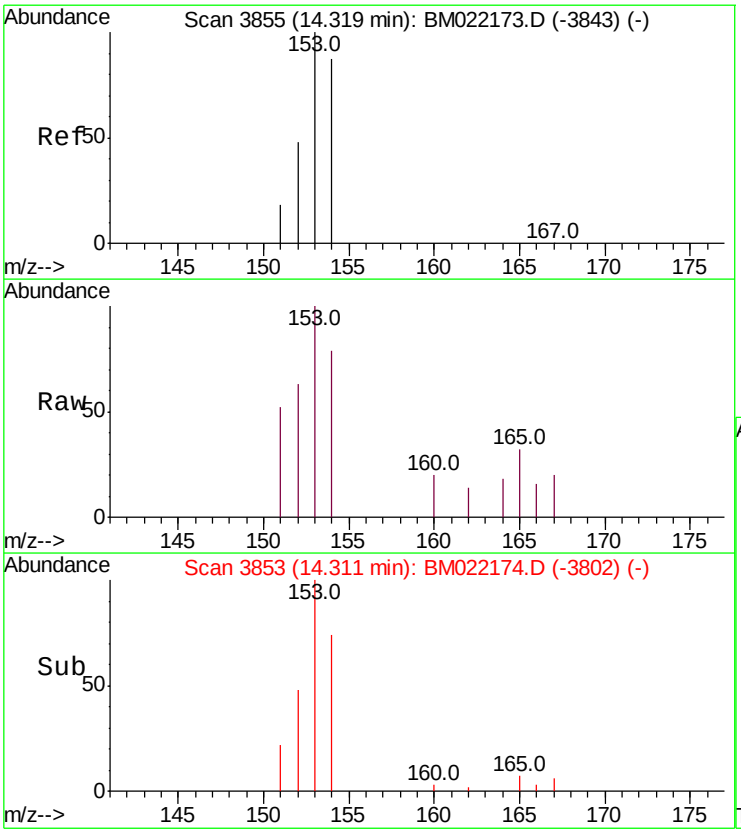
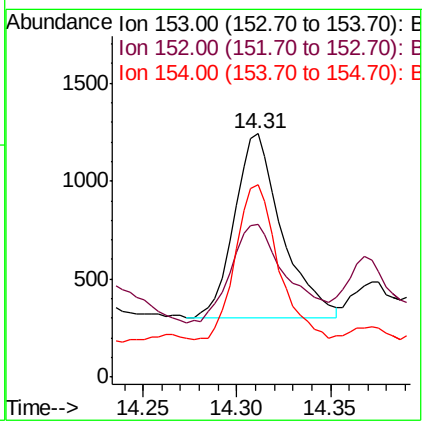
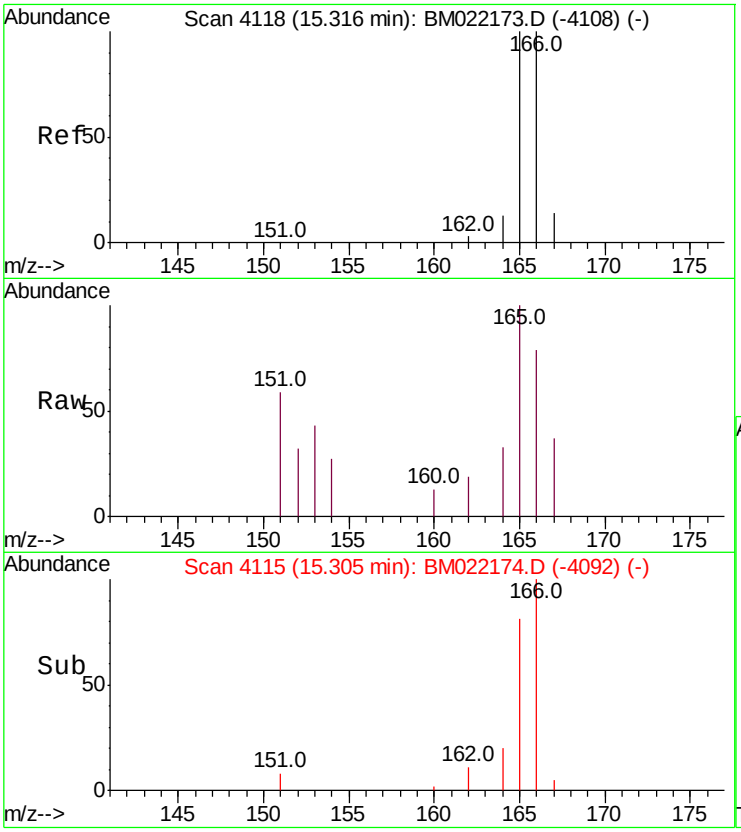


#8
Acenaphthene
Concen: 0.180 ng/ul
RT: 14.31 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:153 Resp: 1666

Ion	Ratio	Lower	Upper
153	100		
152	62.6	41.3	61.9#
154	79.2	72.3	108.5





#9
Fluorene
Concen: 0.202 ng/ul
RT: 15.30 min Scan# 4115
Delta R.T. -0.01 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:166 Resp: 2079

Ion	Ratio	Lower	Upper
166	100		
165	126.4	81.4	122.0#
167	47.2	13.7	20.5#

Instrument :
BNA_M
ClientSampleId :
C0AF7RE

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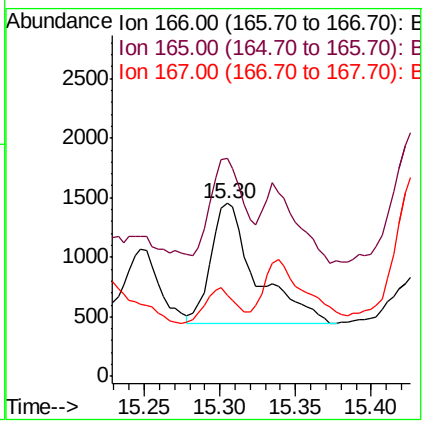
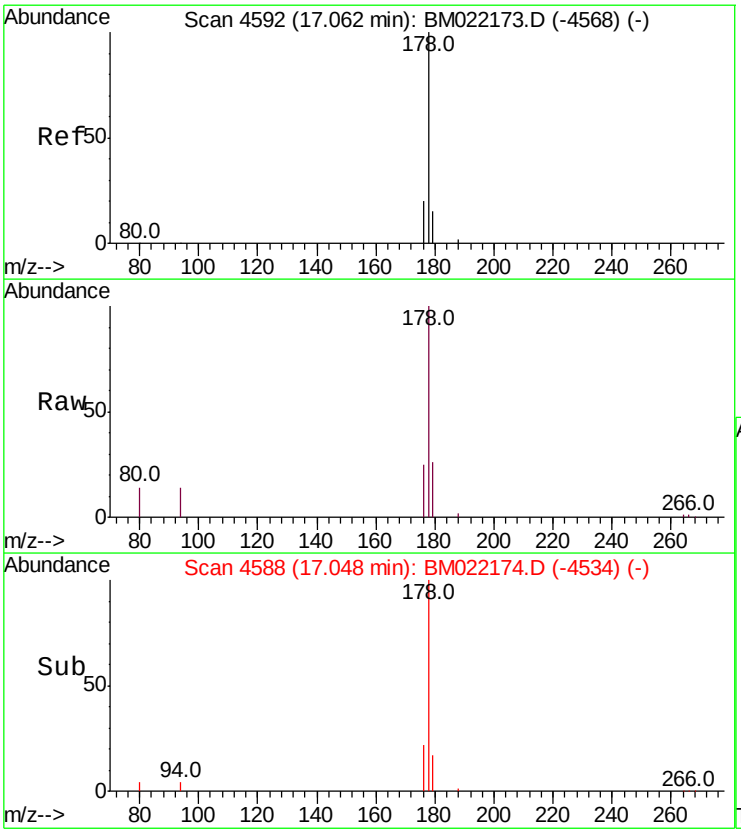
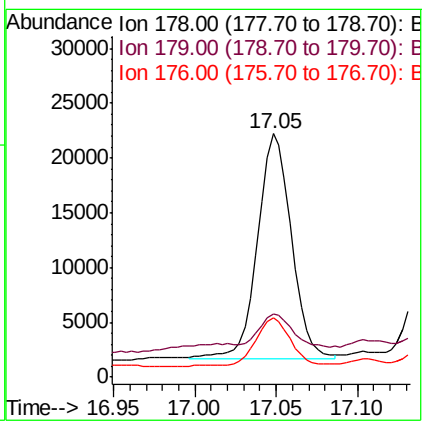


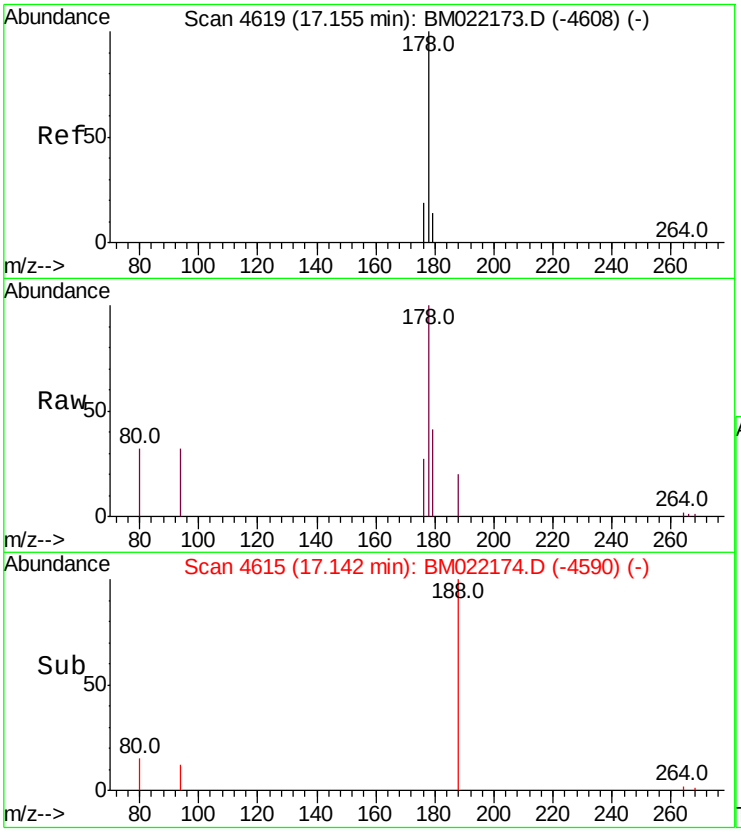


#12
Phenanthrene
Concen: 2.003 ng/ul m
RT: 17.05 min Scan# 4588
Delta R.T. -0.01 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:178 Resp: 29689

Ion	Ratio	Lower	Upper
178	100		
179	25.7	14.2	21.2#
176	24.5	16.8	25.2





#13
Anthracene
Concen: 0.888 ng/ul m
RT: 17.14 min Scan# 4615
Delta R.T. -0.01 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:178 Resp: 11229

Ion	Ratio	Lower	Upper
178	100		
179	41.4	15.5	23.3#
176	26.6	16.6	25.0#

Instrument :
BNA_M
ClientSampleId :
C0AF7RE

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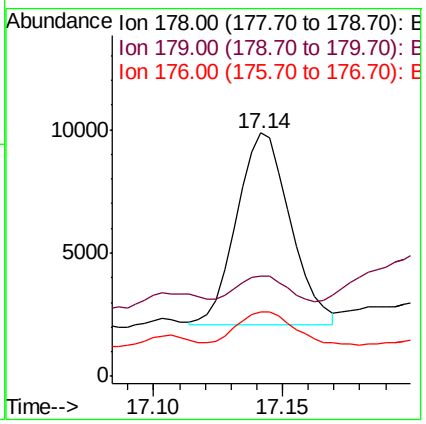
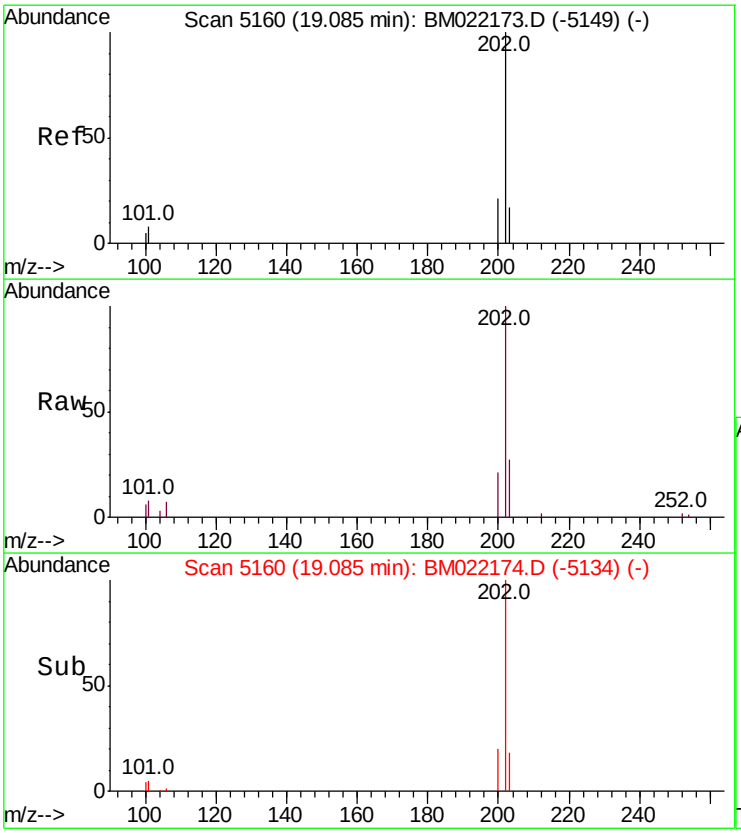
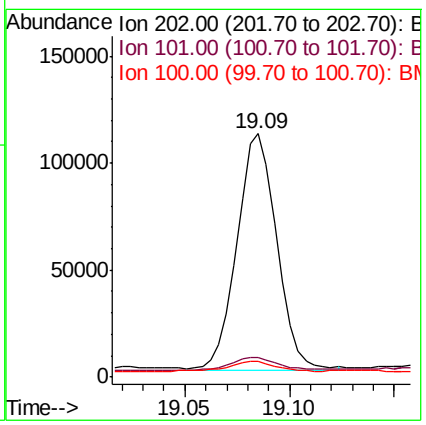


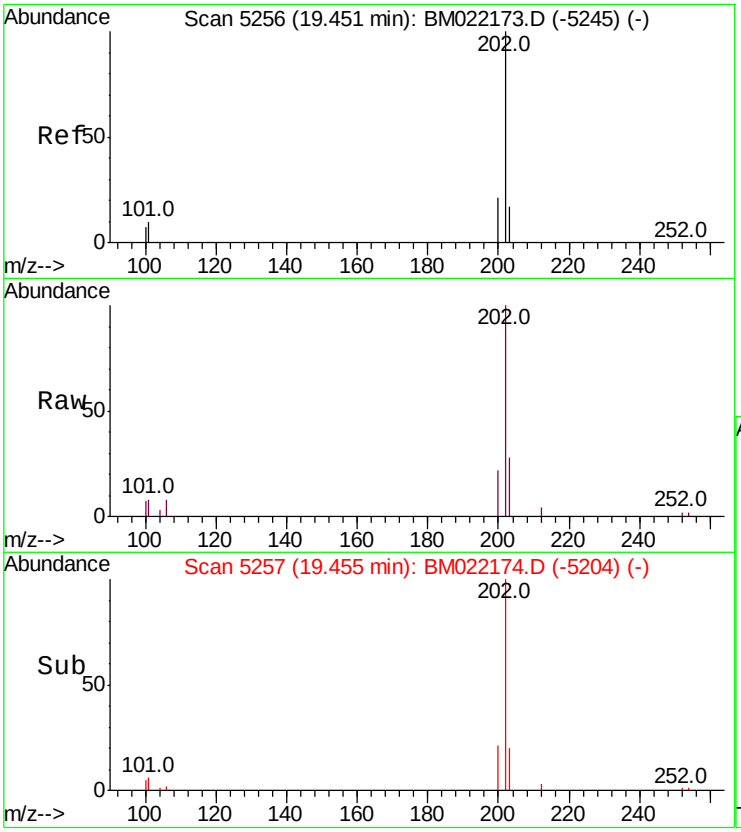


#15
Fluoranthene
Concen: 7.309 ng/ul m
RT: 19.09 min Scan# 5160
Delta R.T. 0.00 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:202 Resp: 145095

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	30.2
100	6.3	0.0	28.1





#17
Pyrene
Concen: 7.336 ng/ul
RT: 19.45 min Scan# 5257
Delta R.T. 0.00 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:202 Resp: 209100

Ion	Ratio	Lower	Upper
202	100		
101	8.1	8.3	12.5#
100	7.2	7.2	10.8

Instrument :
BNA_M
ClientSampleId :
C0AF7RE

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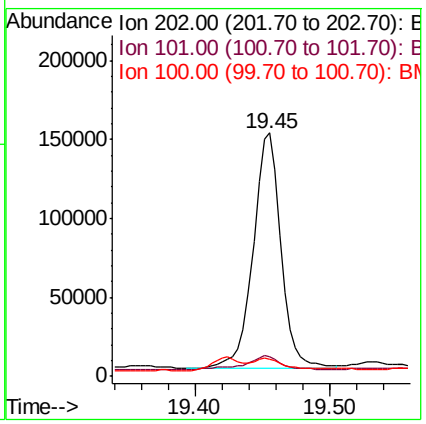
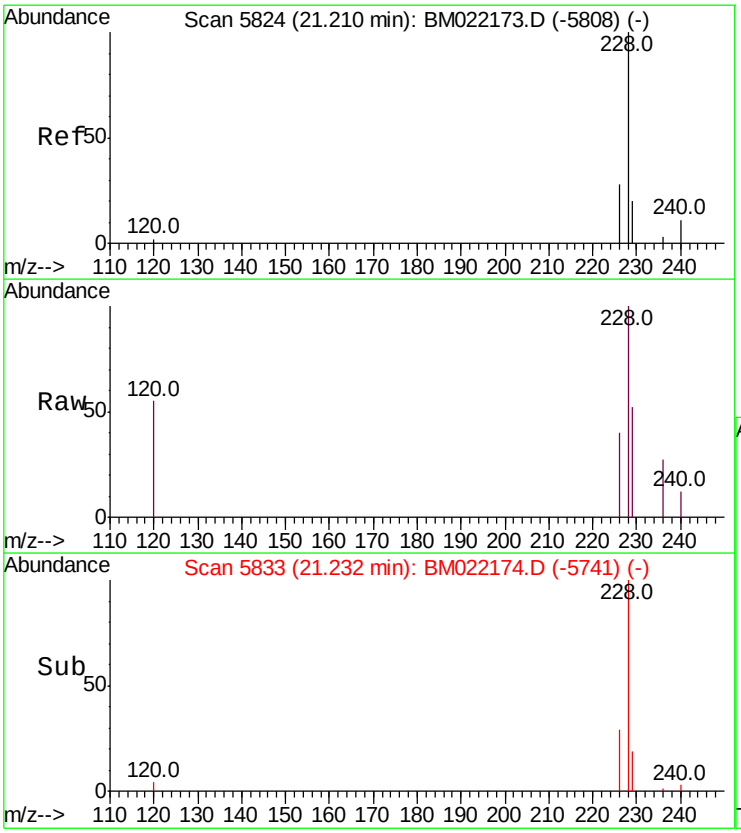
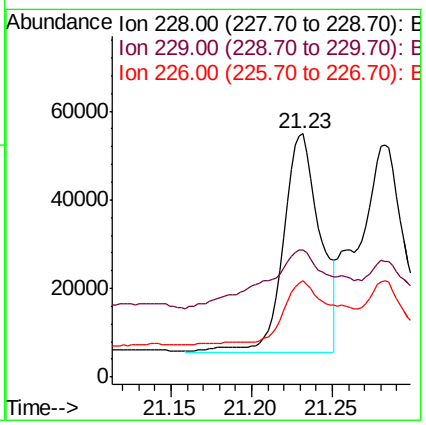


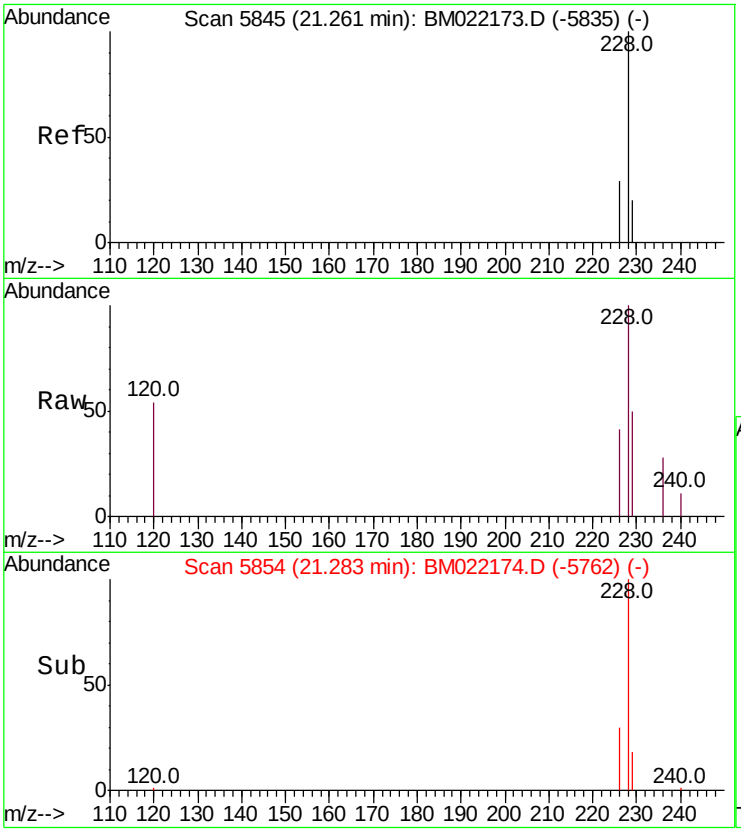


#18
Benzo(a)anthracene
Concen: 3.217 ng/ul m
RT: 21.23 min Scan# 5833
Delta R.T. 0.02 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:228 Resp: 79801

Ion	Ratio	Lower	Upper
228	100		
229	52.4	17.2	25.8#
226	39.8	22.6	34.0#





#19
Chrysene
Concen: 2.702 ng/ul m
RT: 21.28 min Scan# 5854
Delta R.T. 0.02 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:228 Resp: 86228

Ion	Ratio	Lower	Upper
228	100		
226	41.4	24.9	37.3#
229	49.9	16.6	25.0#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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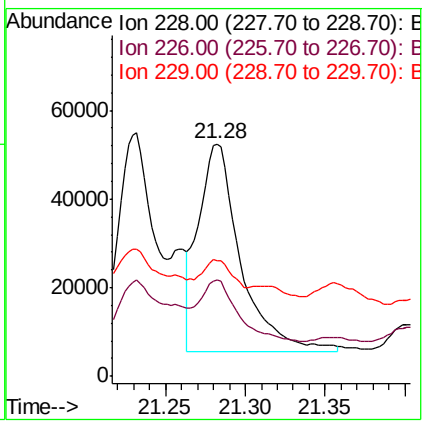
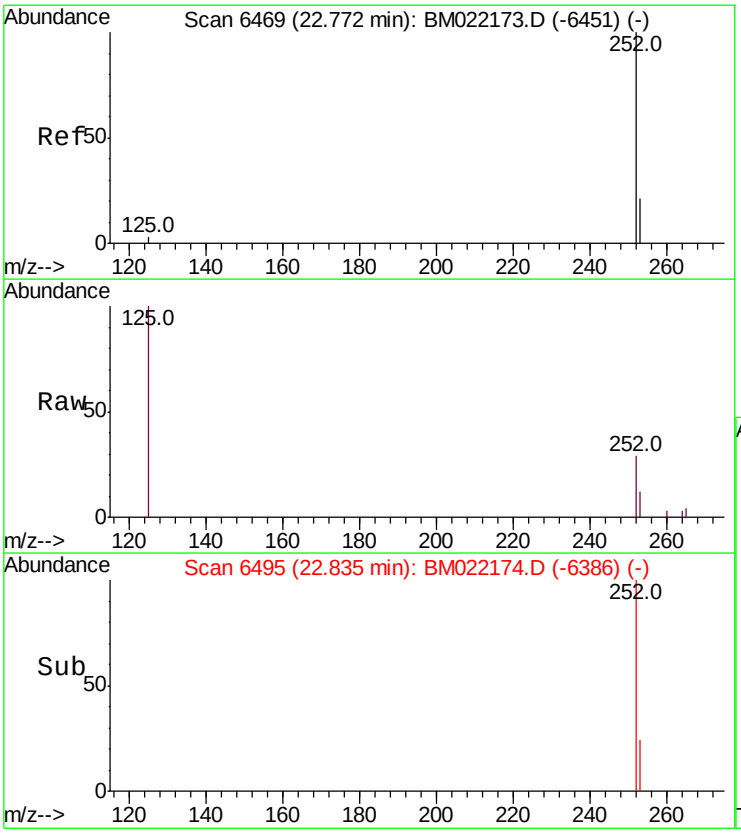
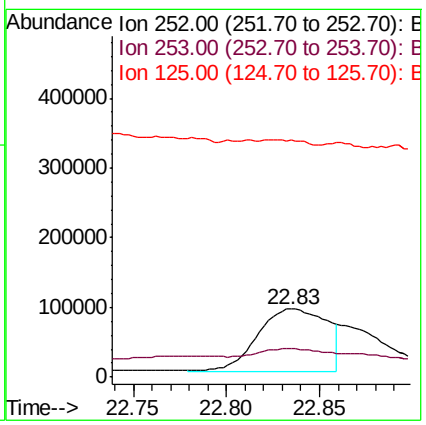


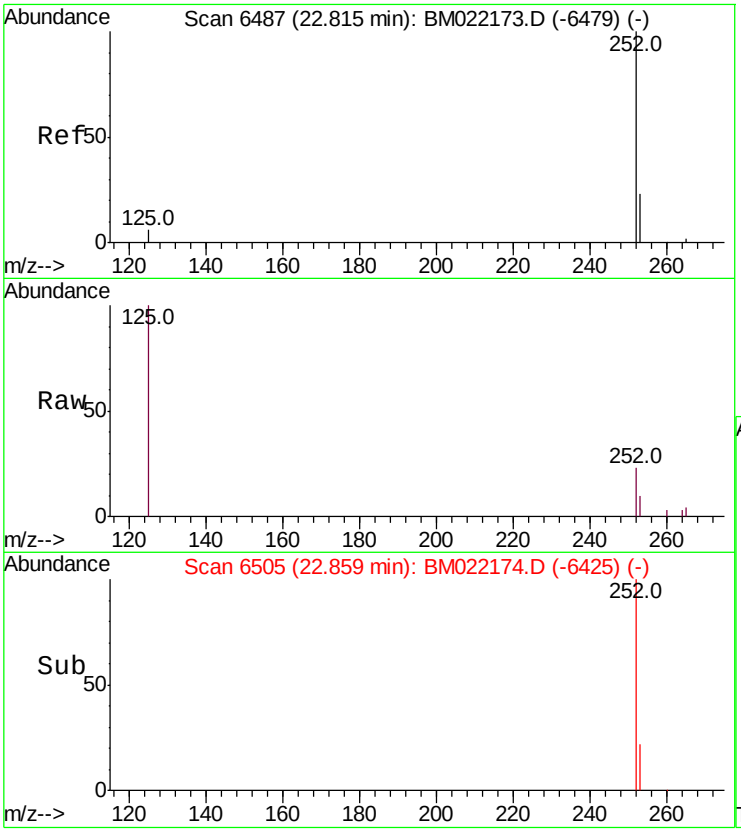


#21
Benzo(b)fluoranthene
Concen: 6.246 ng/ul m
RT: 22.83 min Scan# 6495
Delta R.T. 0.06 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:252 Resp: 231854

Ion	Ratio	Lower	Upper
252	100		
253	41.7	0.0	67.4
125	348.5	0.0	31.0#

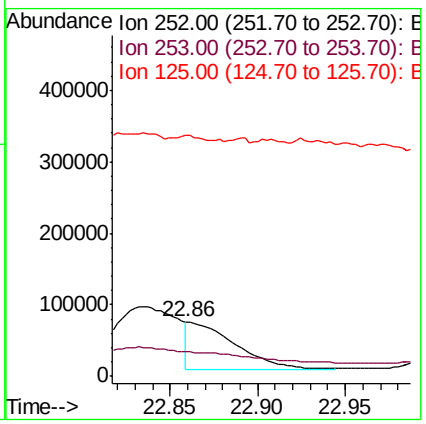




#22
Benzo(k)fluoranthene
Concen: 2.890 ng/ul m
RT: 22.86 min Scan# 6505
Delta R.T. 0.04 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:252 Resp: 121403

Ion	Ratio	Lower	Upper
252	100		
253	44.3	27.0	40.4#
125	441.6	12.2	18.2#



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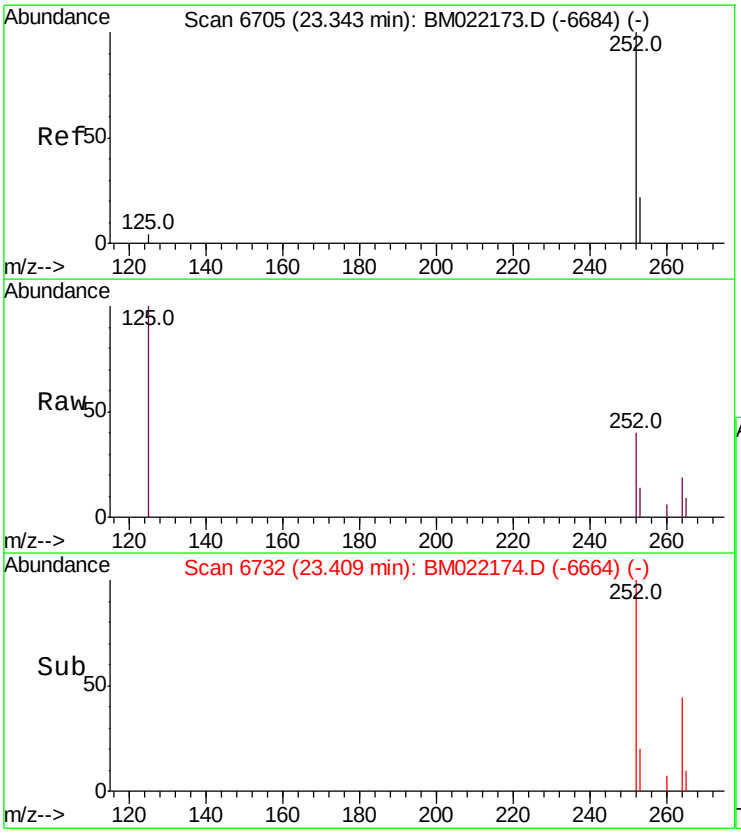
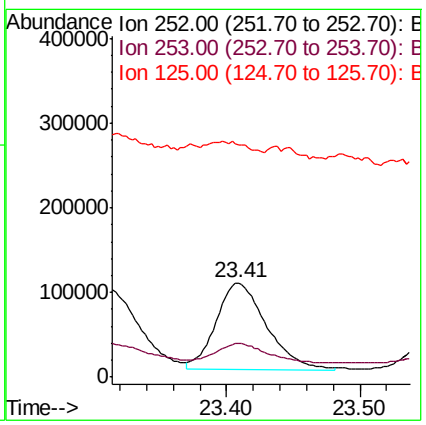
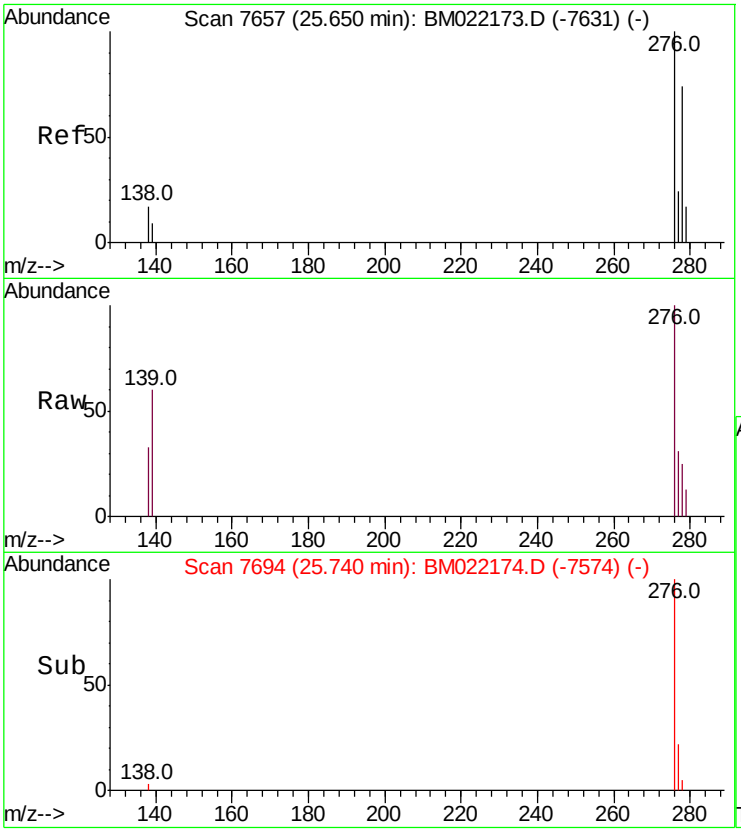


#23
Benzo(a)pyrene
Concen: 7.193 ng/ul m
RT: 23.41 min Scan# 6732
Delta R.T. 0.07 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:252 Resp: 271550

Ion	Ratio	Lower	Upper
252	100		
253	35.4	31.7	47.5
125	247.4	14.6	21.8#





#24
Indeno(1,2,3-cd)pyrene
Concen: 3.822 ng/ul
RT: 25.74 min Scan# 7694
Delta R.T. 0.09 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:276 Resp: 172282

Ion	Ratio	Lower	Upper
276	100		
138	9.1	15.1	22.7#
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
C0AF7RE

Manual Integrations APPROVED
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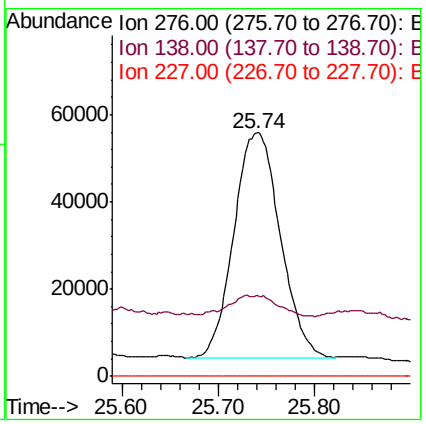
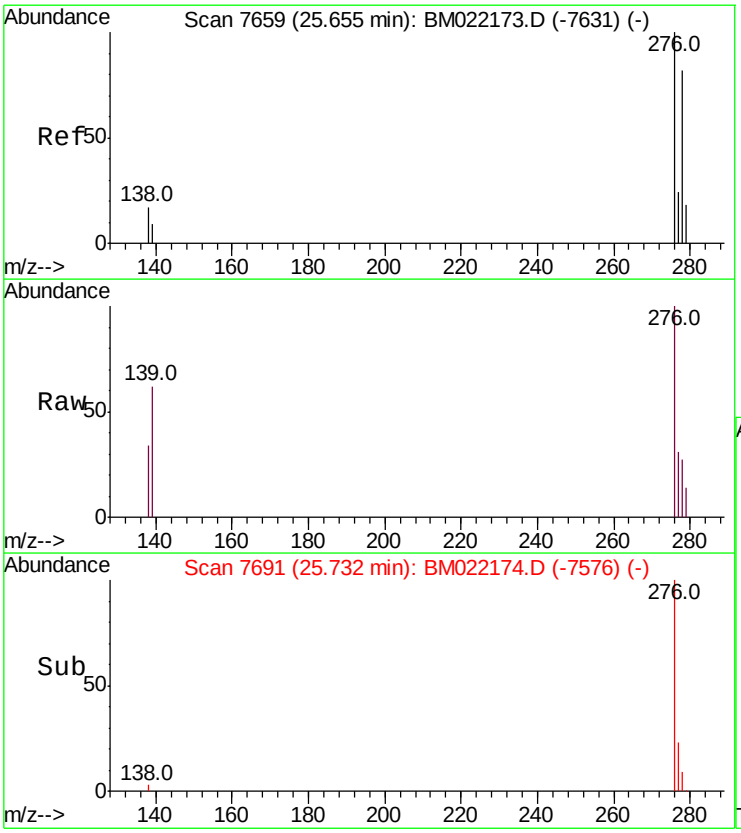
8/19/2019 5:32:10 PM

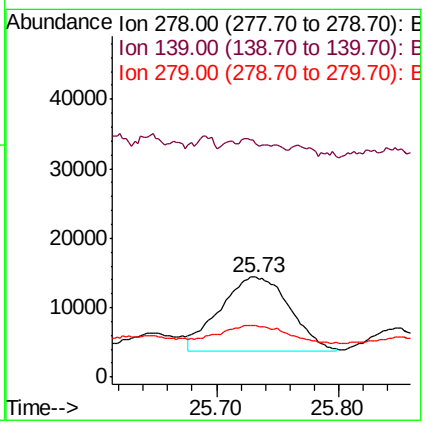


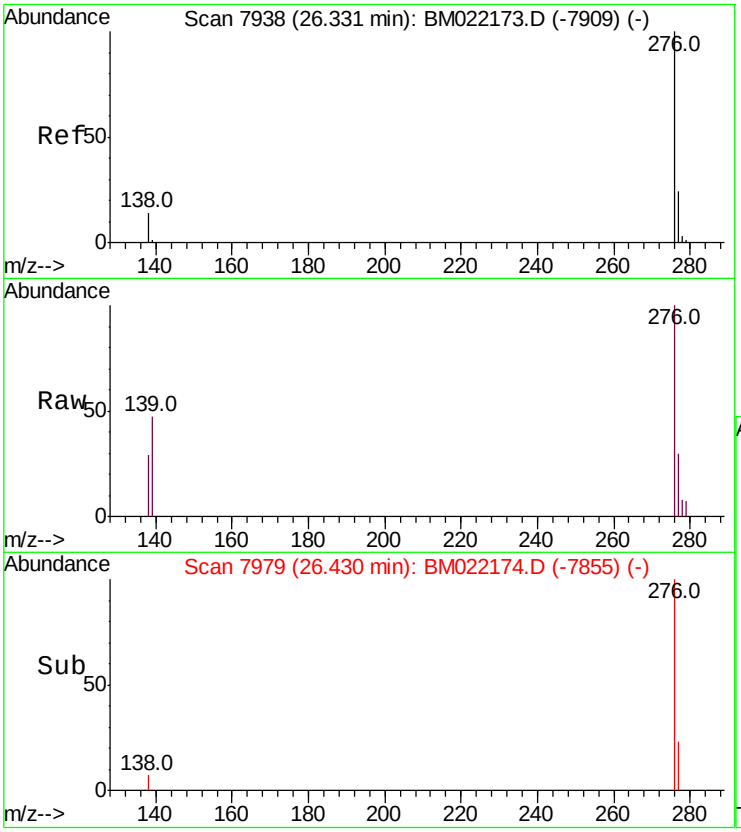


#25
Dibenzo(a,h)anthracene
Concen: 1.178 ng/ul m
RT: 25.73 min Scan# 7691
Delta R.T. 0.08 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:278 Resp: 42901

Ion	Ratio	Lower	Upper
278	100		
139	232.9	14.2	21.2#
279	51.0	28.3	42.5#

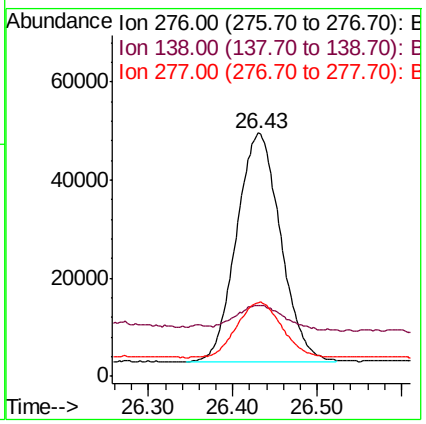




#26
Benzo(g,h,i)perylene
Concen: 4.184 ng/ul
RT: 26.43 min Scan# 7979
Delta R.T. 0.10 min
Lab File: BM022174.D
Acq: 16 Aug 2019 17:36

Tgt Ion:276 Resp: 169798

Ion	Ratio	Lower	Upper
276	100		
138	29.2	15.5	23.3#
277	30.3	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
C0AF7RE

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:10 PM