Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022152.D
Acq On : 15 Aug 2019 20:23
Operator : HP/JU
Sample : K4242-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ1

Manual Integrations APPROVED
mohammad
8/19/2019 10:45:47 AM

Quant Time: Aug 16 14:49:14 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	7.59	152	669	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	2823	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1628	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4011m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	3960m	0.40	ng/ul	-0.01
20) Perylene-d12	23.42	264	4136	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1614	0.35	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	4983m	0.37	ng/ul	-0.02
Target Compounds						Qvalue
7) Acenaphthylene	13.97	152	665	0.088	ng/ul#	74
9) Fluorene	15.31	166	219	0.032	ng/ul#	90
12) Phenanthrene	17.05	178	4074	0.349	ng/ul	99
13) Anthracene	17.14	178	1390m	0.140	ng/ul	
15) Fluoranthene	19.08	202	8750m	0.560	ng/ul	
17) Pyrene	19.44	202	8874	0.545	ng/ul	98
18) Benzo(a)anthracene	21.20	228	4903	0.346	ng/ul#	91
19) Chrysene	21.26	228	4067	0.223	ng/ul#	90
21) Benzo(b)fluoranthene	22.76	252	5983m	0.429	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	2133m	0.135	ng/ul	
23) Benzo(a)pyrene	23.32	252	4181	0.295	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	25.64	276	3123	0.184	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.64	278	759	0.055	ng/ul#	12
26) Benzo(g,h,i)perylene	26.32	276	2805	0.184	ng/ul#	80

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_M
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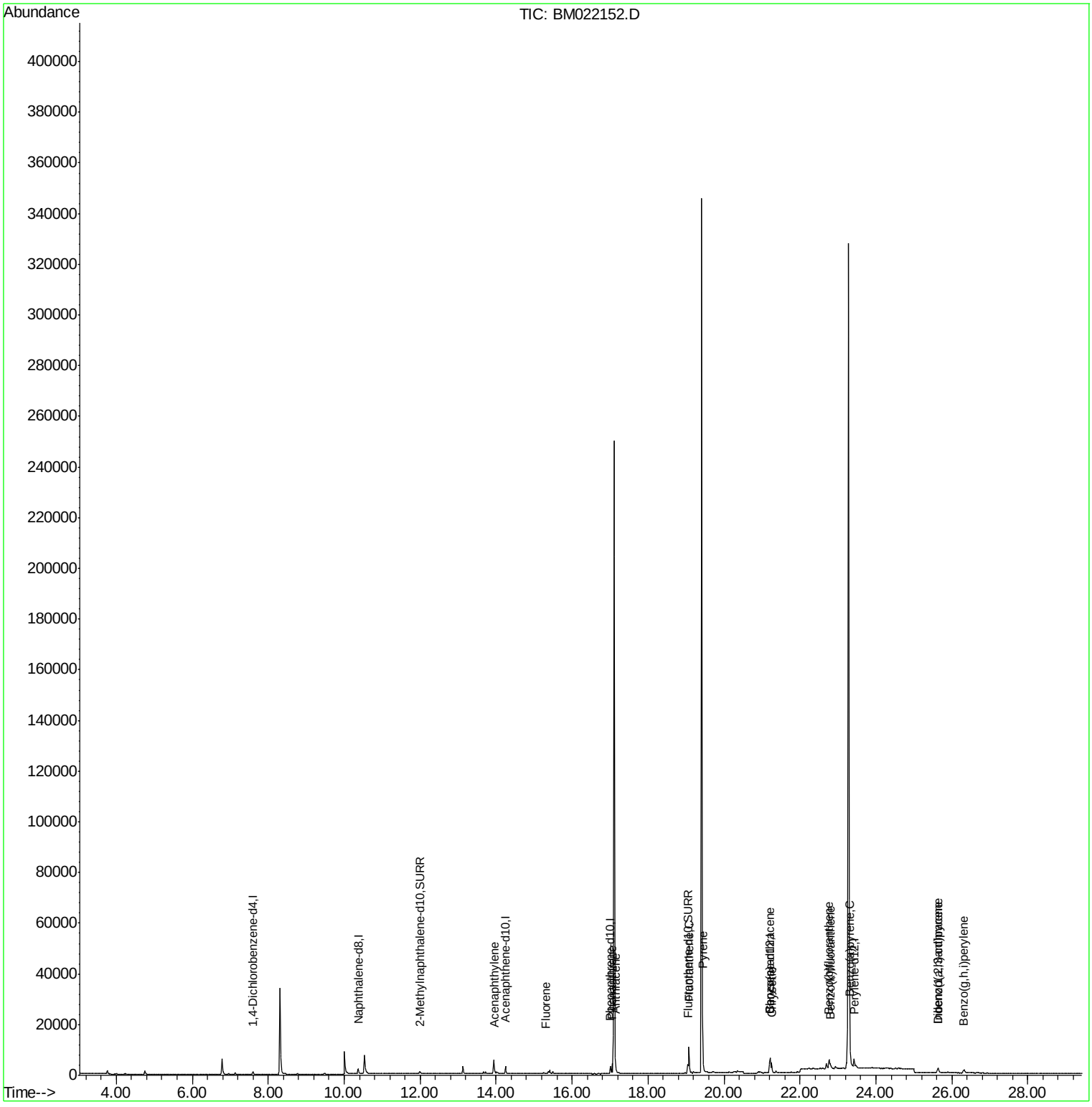

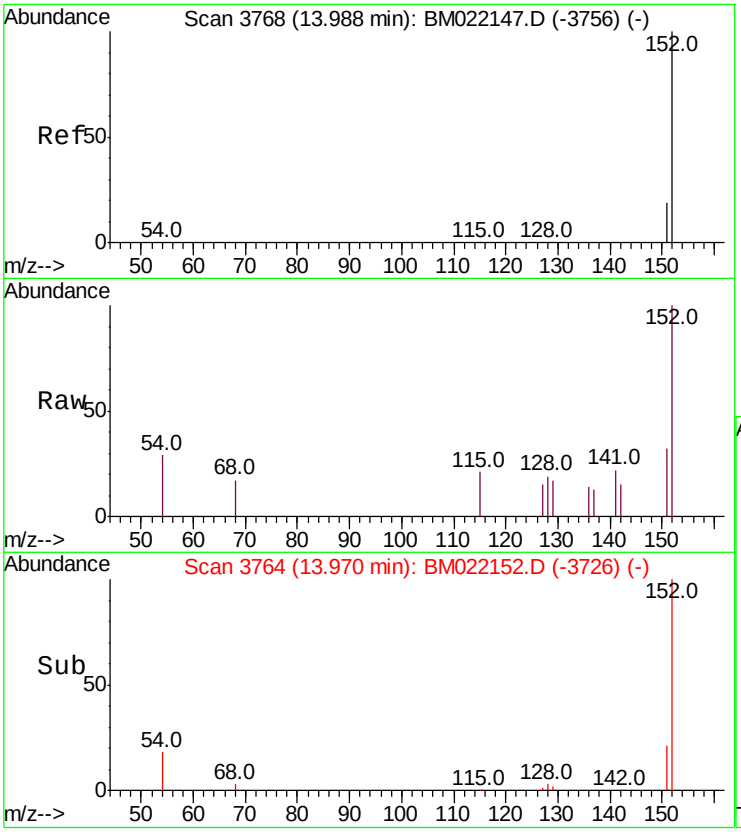

#7
Acenaphthylene
Concen: 0.088 ng/ul
RT: 13.97 min Scan# 3764
Delta R.T. -0.03 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:152 Resp: 665

Ion	Ratio	Lower	Upper
152	100		
151	31.6	18.3	27.5#
153	0.0	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
C0AJ1

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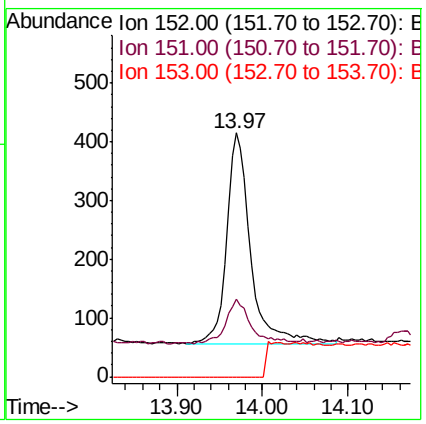
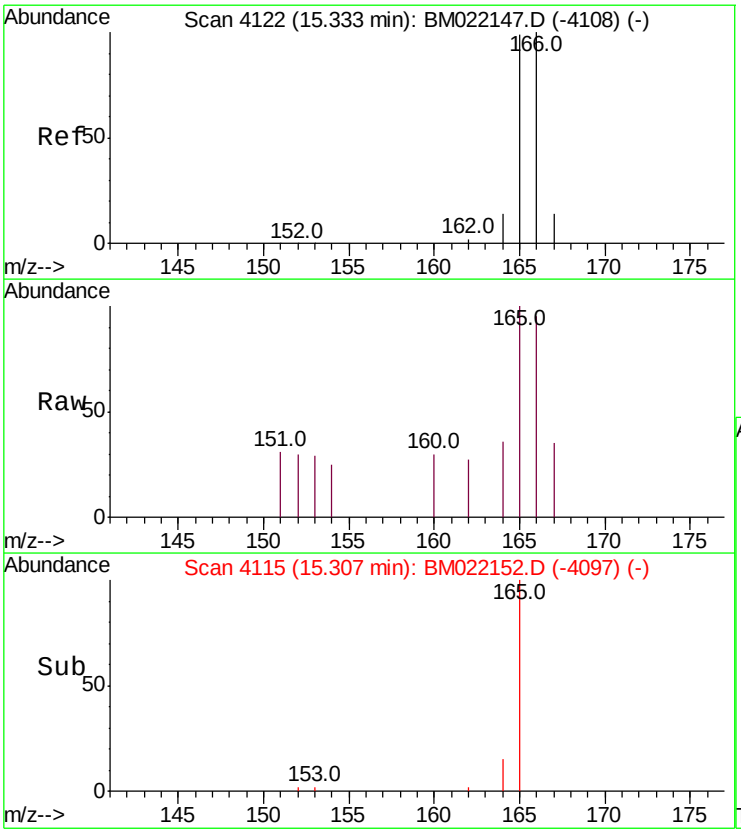
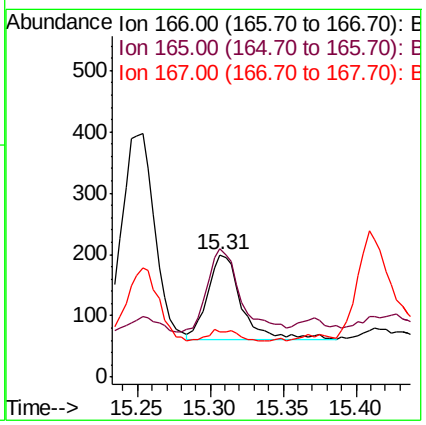


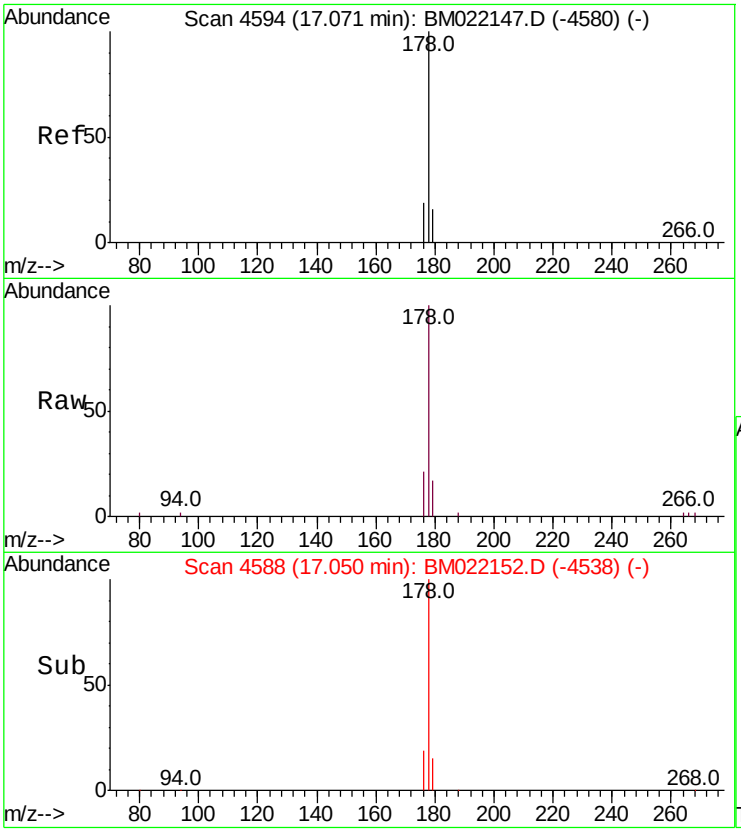


#9
Fluorene
Concen: 0.032 ng/ul
RT: 15.31 min Scan# 4115
Delta R.T. -0.03 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:166 Resp: 219

Ion	Ratio	Lower	Upper
166	100		
165	105.5	81.4	122.0
167	36.7	13.7	20.5#

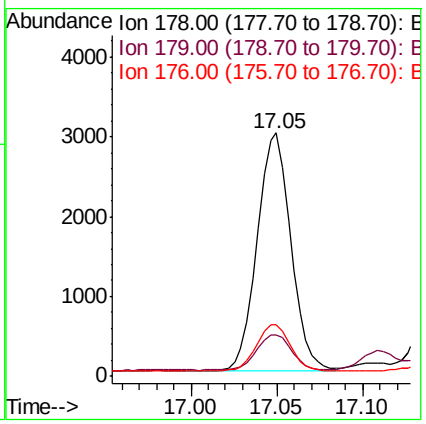




#12
Phenanthrene
Concen: 0.349 ng/ul
RT: 17.05 min Scan# 4588
Delta R.T. -0.03 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:178 Resp: 4074

Ion	Ratio	Lower	Upper
178	100		
179	17.2	14.2	21.2
176	21.1	16.8	25.2



Instrument :
BNA_M
ClientSampleId :
C0AJ1

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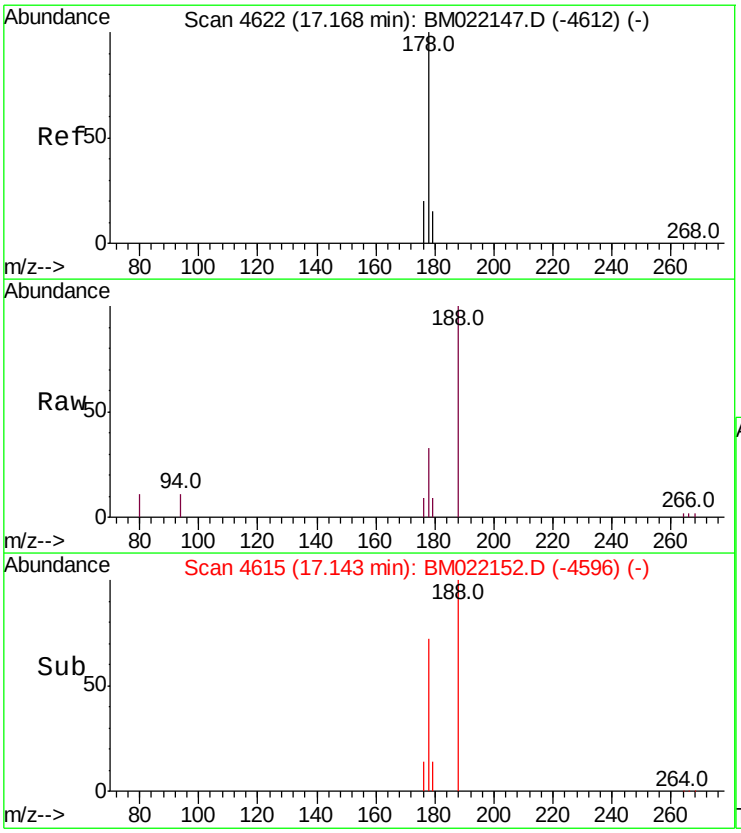
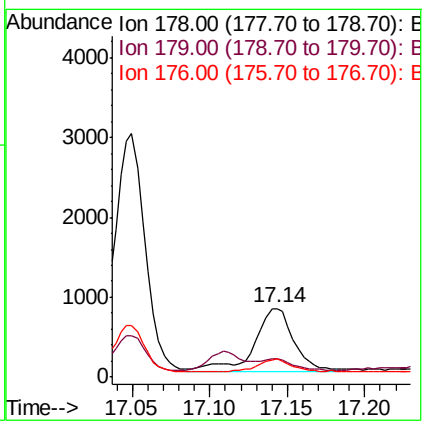
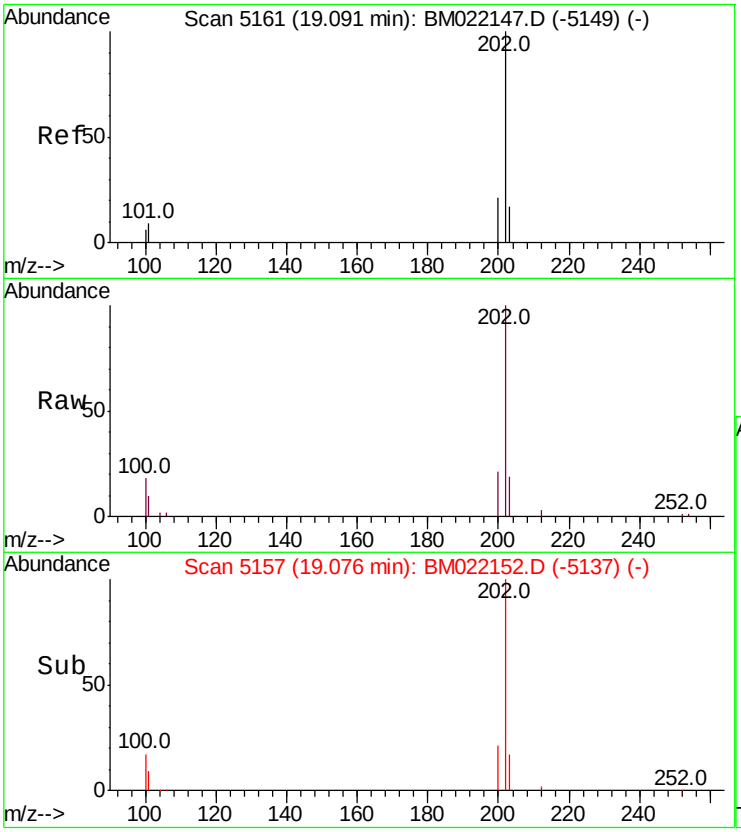


#13
Anthracene
Concen: 0.140 ng/ul m
RT: 17.14 min Scan# 4615
Delta R.T. -0.03 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:178 Resp: 1390

Ion	Ratio	Lower	Upper
178	100		
179	26.1	15.5	23.3#
176	25.9	16.6	25.0#

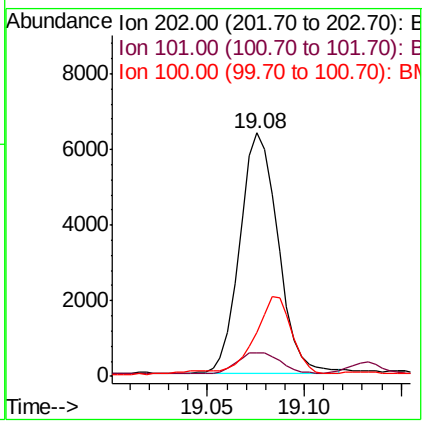




#15
Fluoranthene
Concen: 0.560 ng/ul m
RT: 19.08 min Scan# 5157
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:202 Resp: 8750

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
100	17.8	0.0	28.1



Instrument :
BNA_M
ClientSampleId :
C0AJ1

Manual Integrations APPROVED
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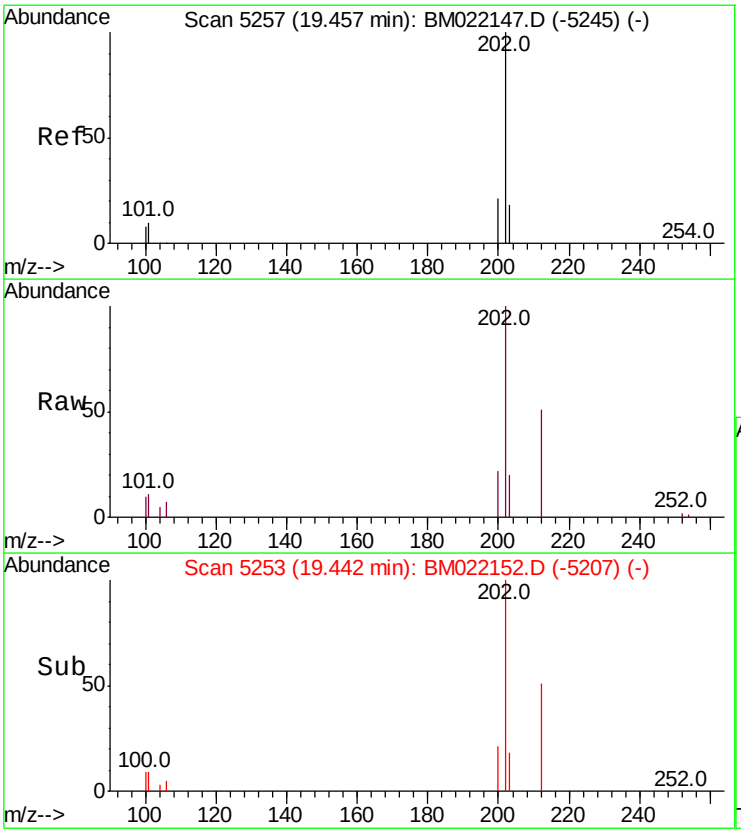
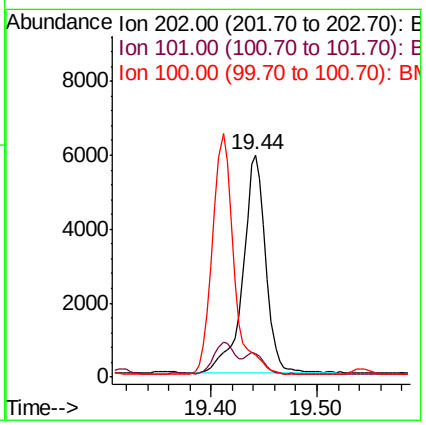
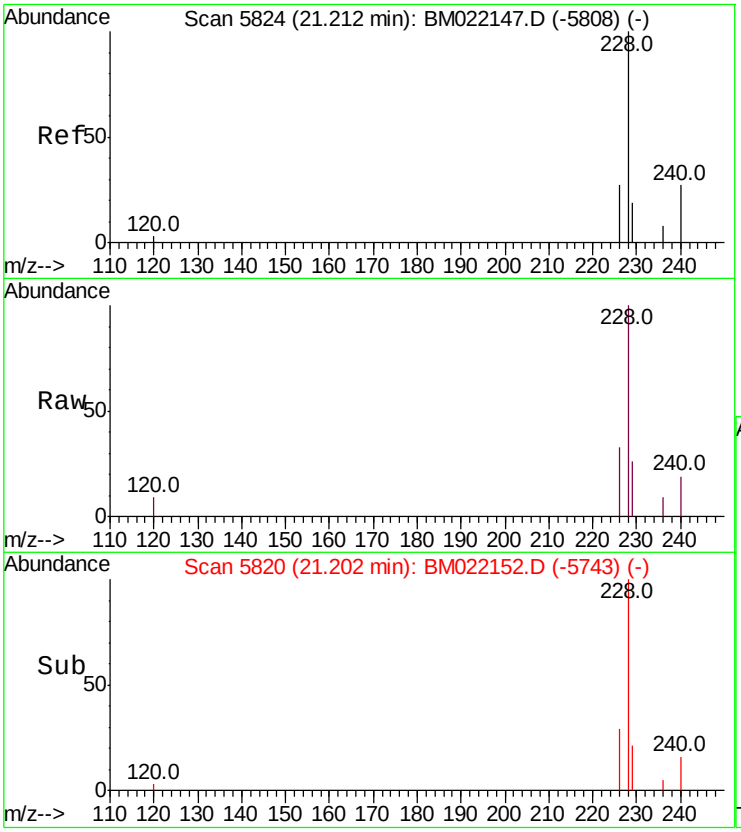


#17
Pyrene
Concen: 0.545 ng/ul
RT: 19.44 min Scan# 5253
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:202 Resp: 8874

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.3	12.5
100	10.2	7.2	10.8





#18
Benzo(a)anthracene
Concen: 0.346 ng/ul
RT: 21.20 min Scan# 5820
Delta R.T. -0.01 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:228 Resp: 4903

Ion	Ratio	Lower	Upper
228	100		
229	25.9	17.2	25.8#
226	32.6	22.6	34.0

Instrument :
BNA_M
ClientSampleId :
C0AJ1

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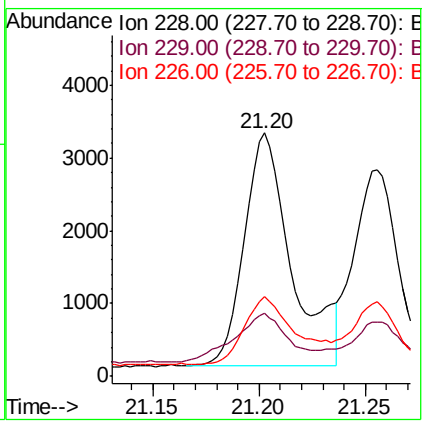
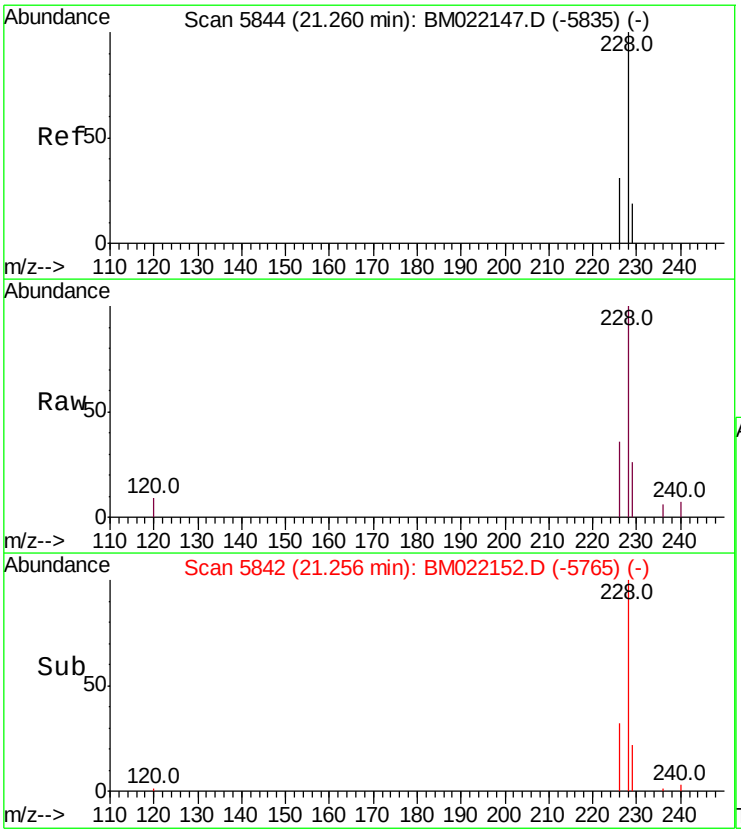
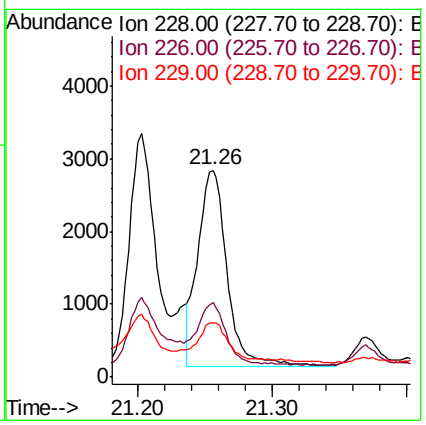


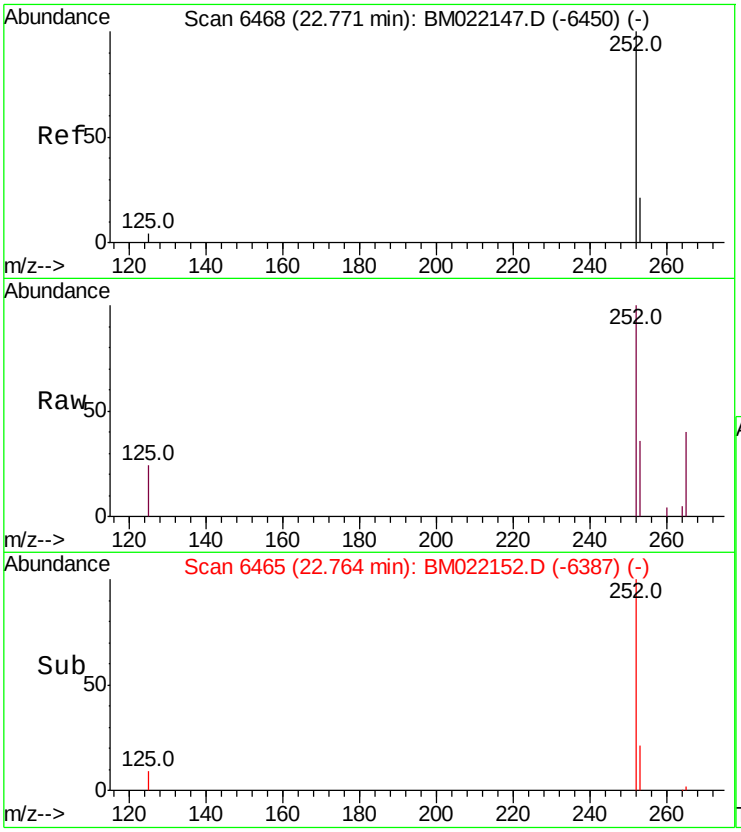


#19
Chrysene
Concen: 0.223 ng/ul
RT: 21.26 min Scan# 5842
Delta R.T. -0.01 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:228 Resp: 4067

Ion	Ratio	Lower	Upper
228	100		
226	35.8	24.9	37.3
229	26.3	16.6	25.0#

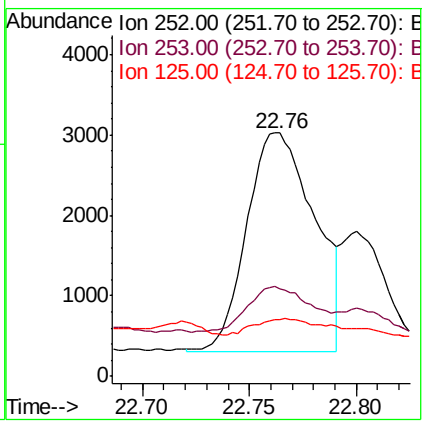




#21
Benzo(b)fluoranthene
Concen: 0.429 ng/ul m
RT: 22.76 min Scan# 6465
Delta R.T. -0.01 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:252 Resp: 5983

Ion	Ratio	Lower	Upper
252	100		
253	35.8	0.0	67.4
125	23.5	0.0	31.0



Instrument :
BNA_M
ClientSampleId :
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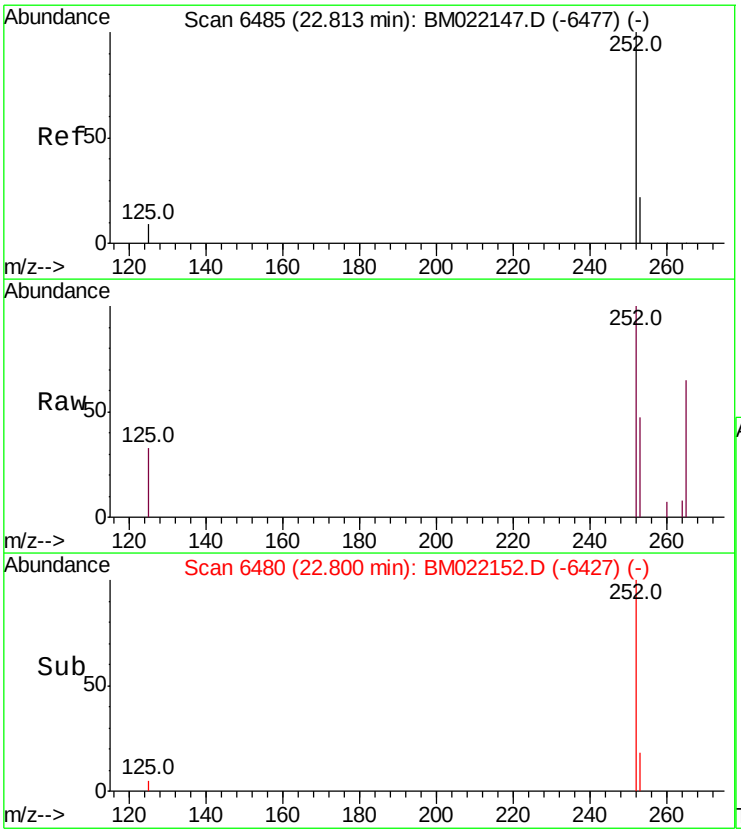
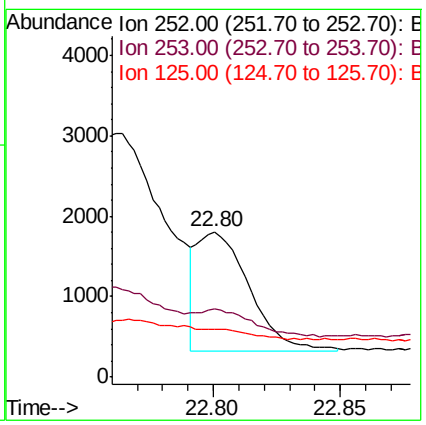
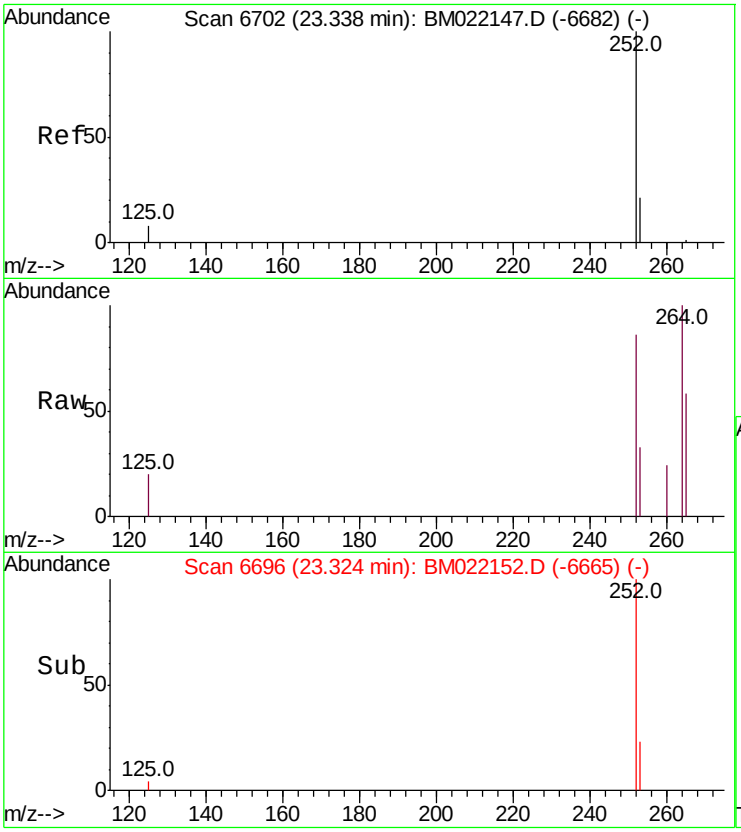


#22
Benzo(k)fluoranthene
Concen: 0.135 ng/ul m
RT: 22.80 min Scan# 6480
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:252 Resp: 2133

Ion	Ratio	Lower	Upper
252	100		
253	46.7	27.0	40.4#
125	32.5	12.2	18.2#

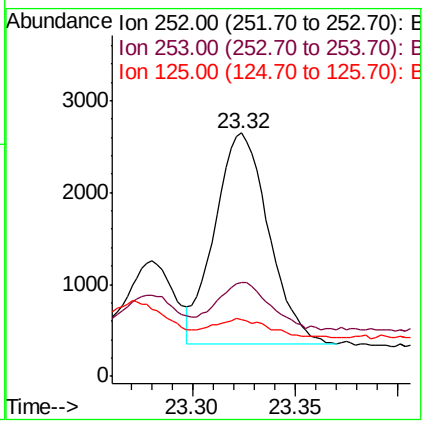




#23
Benzo(a)pyrene
Concen: 0.295 ng/ul
RT: 23.32 min Scan# 6696
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:252 Resp: 4181

Ion	Ratio	Lower	Upper
252	100		
253	38.3	31.7	47.5
125	23.4	14.6	21.8#



Instrument :
BNA_M
ClientSampleId :
C0AJ1

Manual Integrations APPROVED
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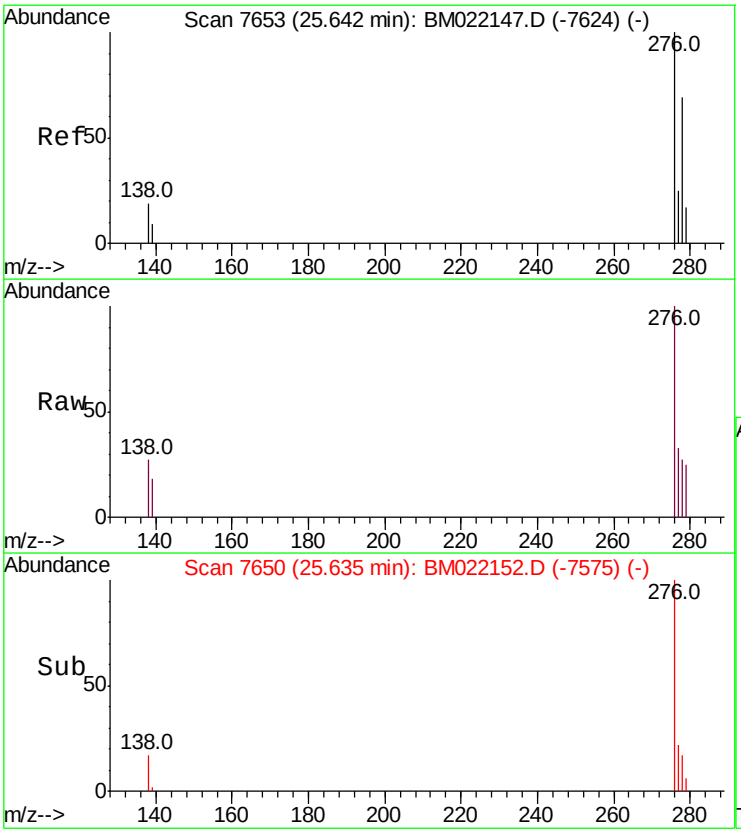
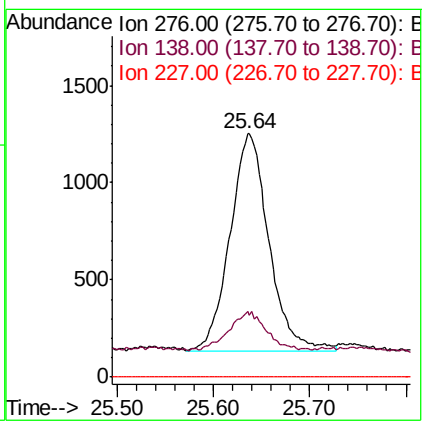
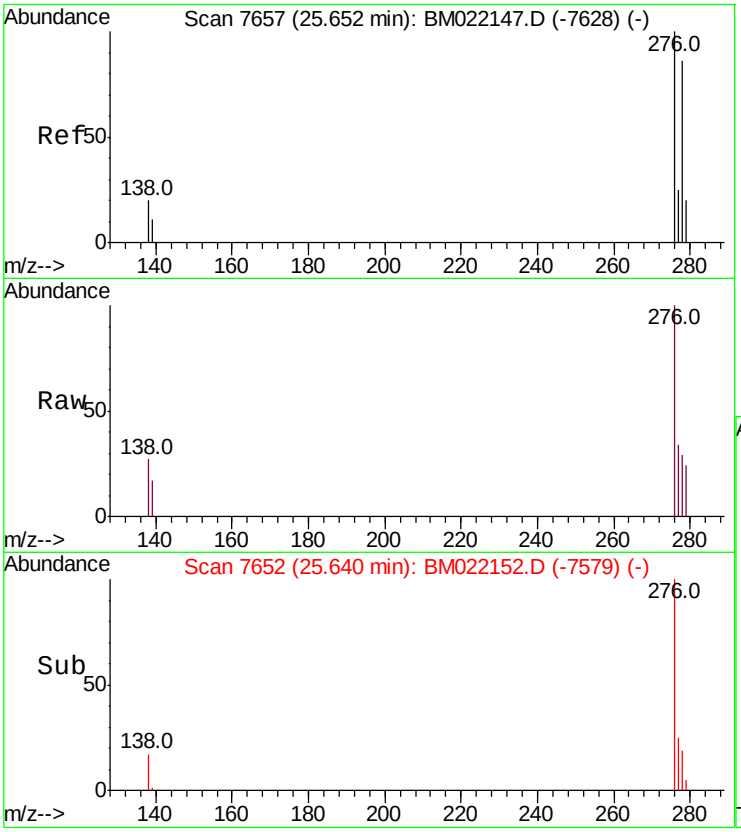


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.184 ng/ul
RT: 25.64 min Scan# 7650
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:276 Resp: 3123

Ion	Ratio	Lower	Upper
276	100		
138	16.9	15.1	22.7
227	0.0	0.0	0.0





#25
Dibenzo(a,h)anthracene
Concen: 0.055 ng/ul
RT: 25.64 min Scan# 7652
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:278 Resp: 759

Ion	Ratio	Lower	Upper
278	100		
139	60.3	14.2	21.2#
279	84.4	28.3	42.5#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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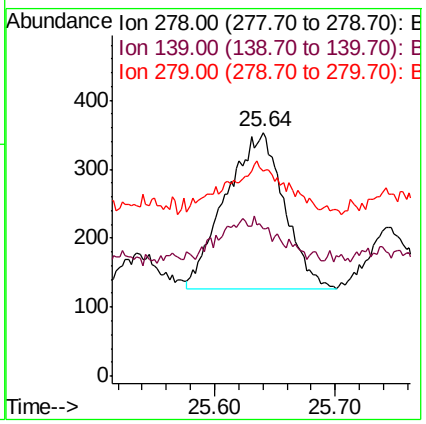

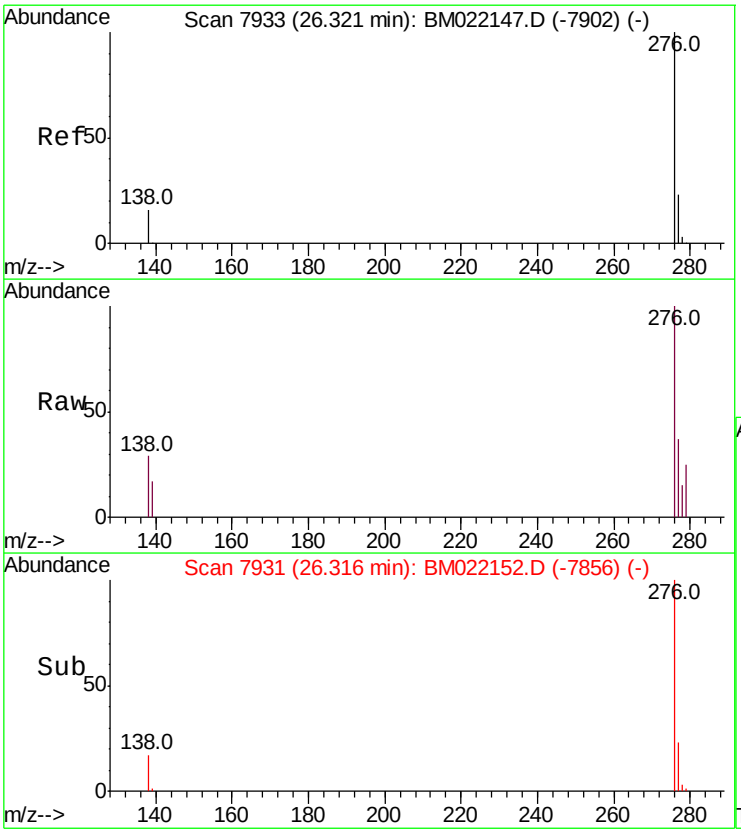

#26
Benzo(g,h,i)perylene
Concen: 0.184 ng/ul
RT: 26.32 min Scan# 7931
Delta R.T. -0.02 min
Lab File: BM022152.D
Acq: 15 Aug 2019 20:23

Tgt Ion:276 Resp: 2805

Ion	Ratio	Lower	Upper
276	100		
138	28.9	15.5	23.3#
277	36.5	21.4	32.2#