Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021935.D
Acq On : 08 Aug 2019 16:16
Operator : HP/JU
Sample : K4029-22
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENW2

Manual Integrations APPROVED
mohammad
8/9/2019 6:12:59 AM

Quant Time: Aug 09 01:20:42 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 09 00:56:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	916	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.40	136	3985	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2170	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5082m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	5036m	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	4886m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1921	0.29	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	5449m	0.32	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.45	128	603	0.054	ng/ul#	80
5) 2-Methylnaphthalene	12.08	142	363	0.048	ng/ul	99
7) Acenaphthylene	14.00	152	4118	0.407	ng/ul#	84
8) Acenaphthene	14.33	153	609	0.074	ng/ul	96
9) Fluorene	15.33	166	1028	0.112	ng/ul#	97
12) Phenanthrene	17.07	178	26278m	1.777	ng/ul	
13) Anthracene	17.16	178	5940m	0.471	ng/ul	
15) Fluoranthene	19.10	202	72515m	3.661	ng/ul	
17) Pyrene	19.46	202	69549	3.361	ng/ul	99
18) Benzo(a)anthracene	21.22	228	35891	1.992	ng/ul	98
19) Chrysene	21.27	228	40090	1.731	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	52900m	3.211	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	18045m	0.968	ng/ul	
23) Benzo(a)pyrene	23.35	252	35154m	2.098	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	24814m	1.240	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	6450m	0.399	ng/ul	
26) Benzo(g,h,i)perylene	26.34	276	20032m	1.112	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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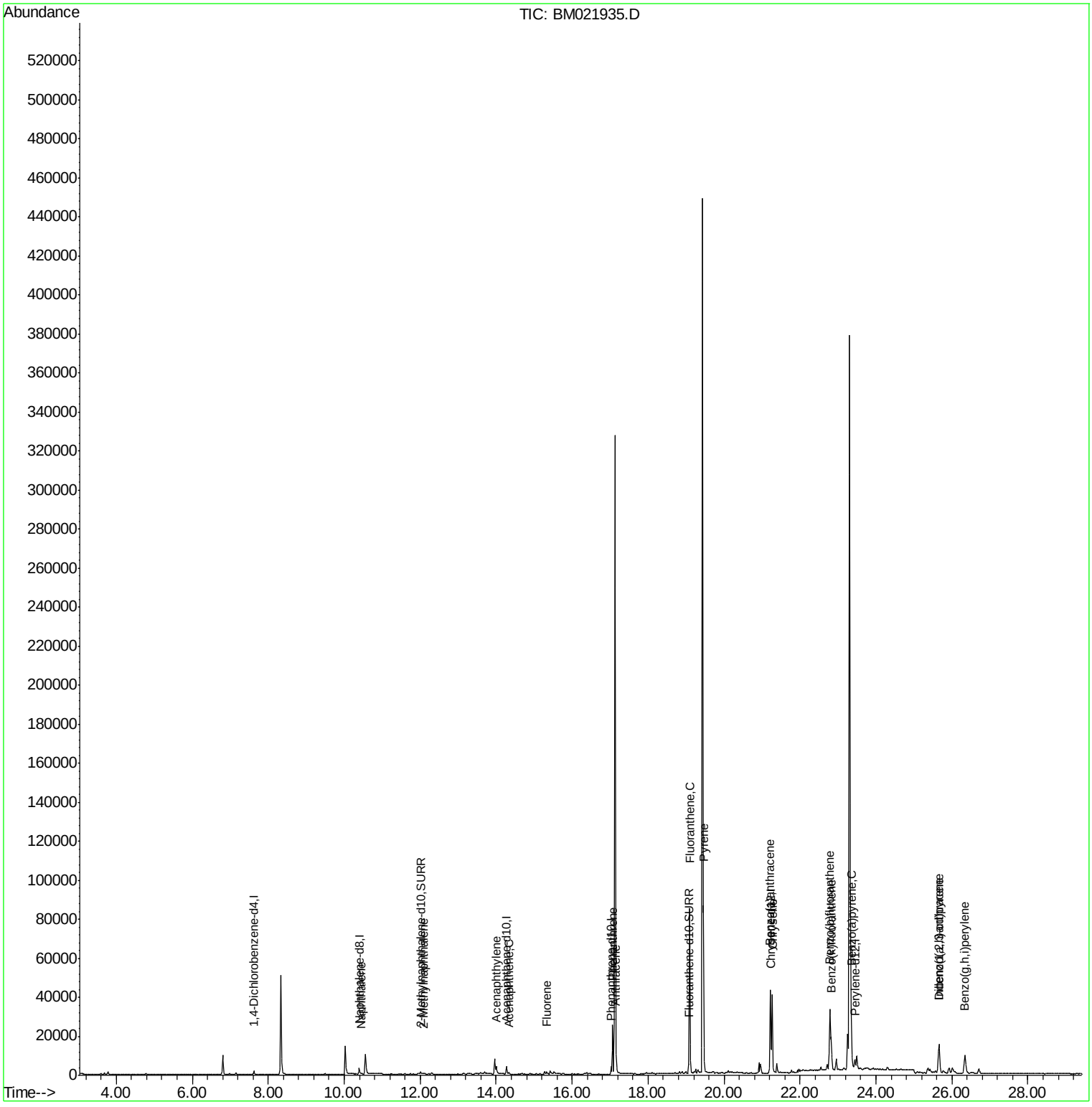

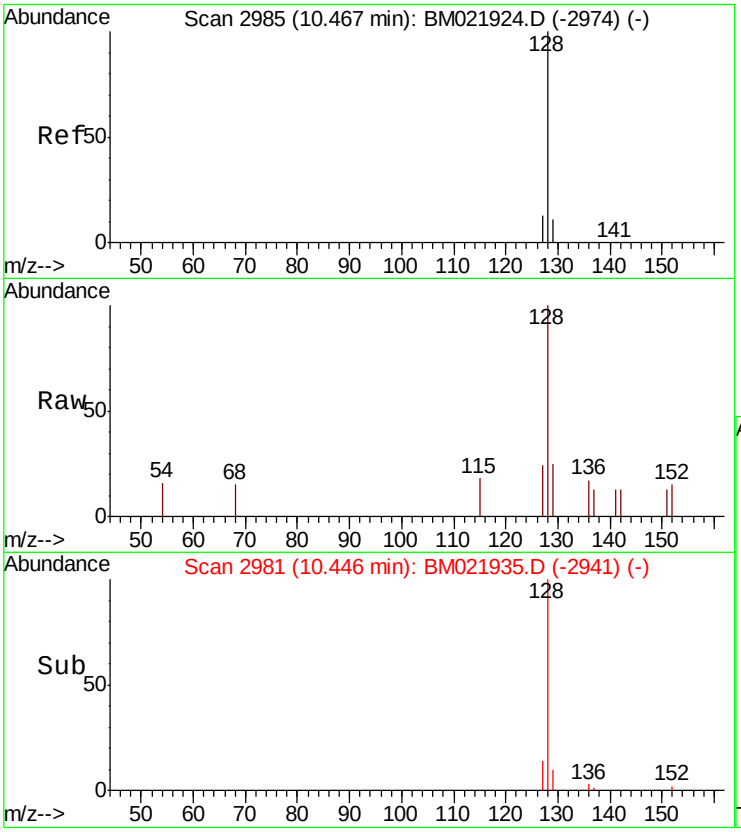

#3
Naphthalene
Concen: 0.054 ng/ul
RT: 10.45 min Scan# 2981
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:128 Resp: 603

Ion	Ratio	Lower	Upper
128	100		
129	24.8	12.3	18.5#
127	23.9	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
BENW2

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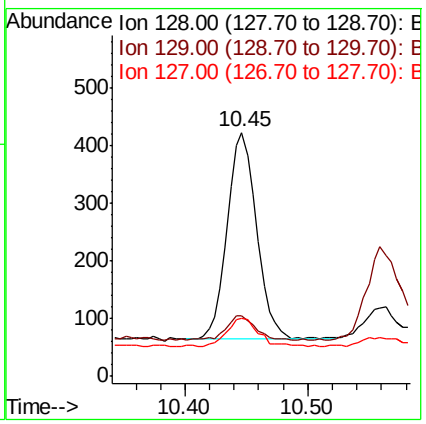
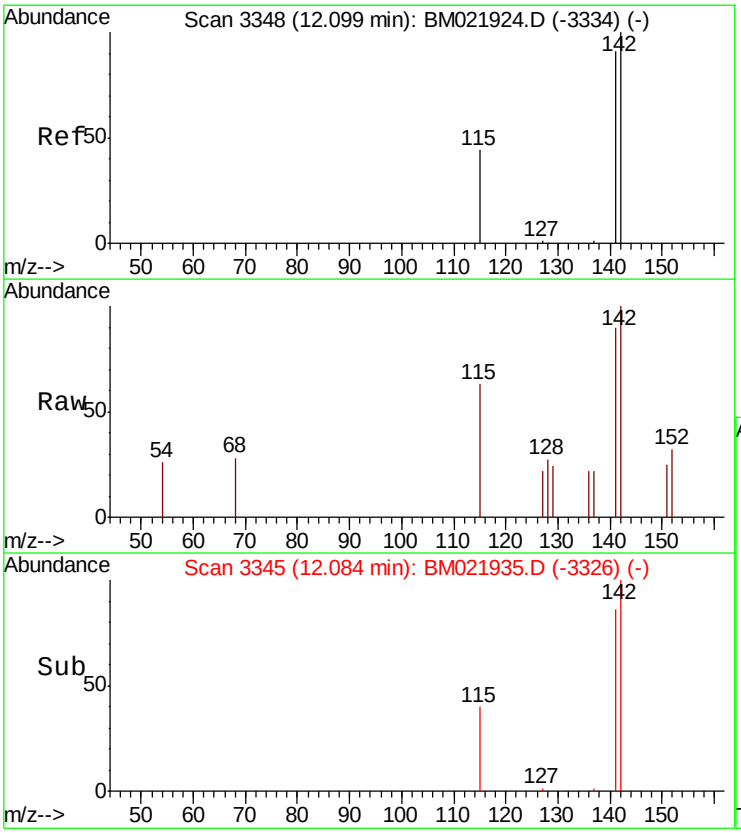
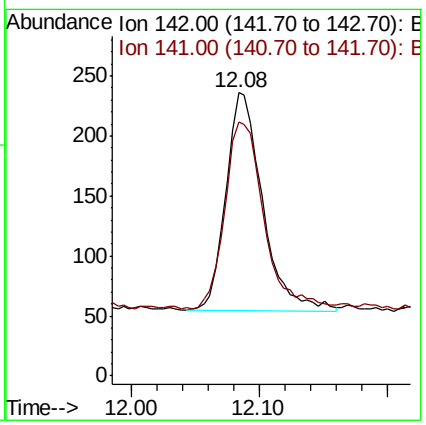


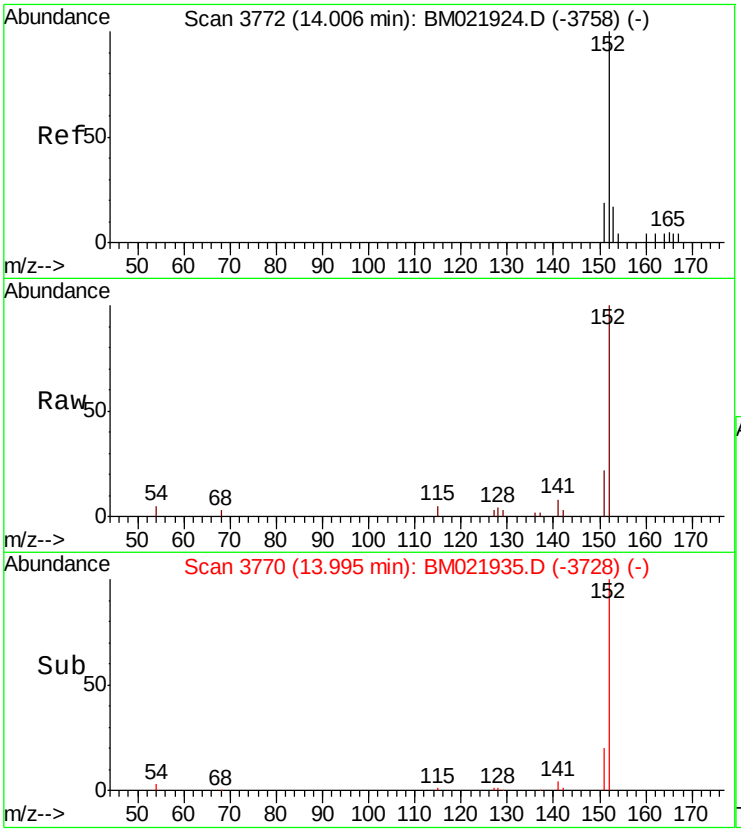


#5
2-Methylnaphthalene
Concen: 0.048 ng/ul
RT: 12.08 min Scan# 3345
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:142 Resp: 363

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.3	111.5

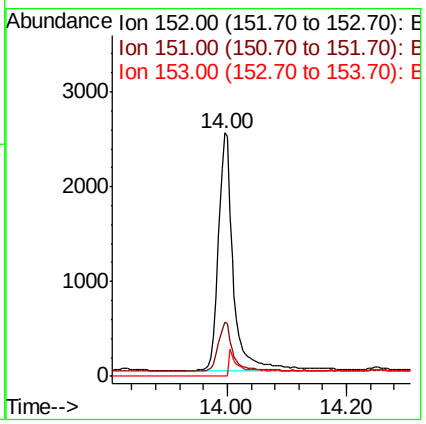




#7
Acenaphthylene
Concen: 0.407 ng/ul
RT: 14.00 min Scan# 3770
Delta R.T. -0.01 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:152 Resp: 4118

Ion	Ratio	Lower	Upper
152	100		
151	22.2	18.3	27.5
153	0.0	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
BENW2

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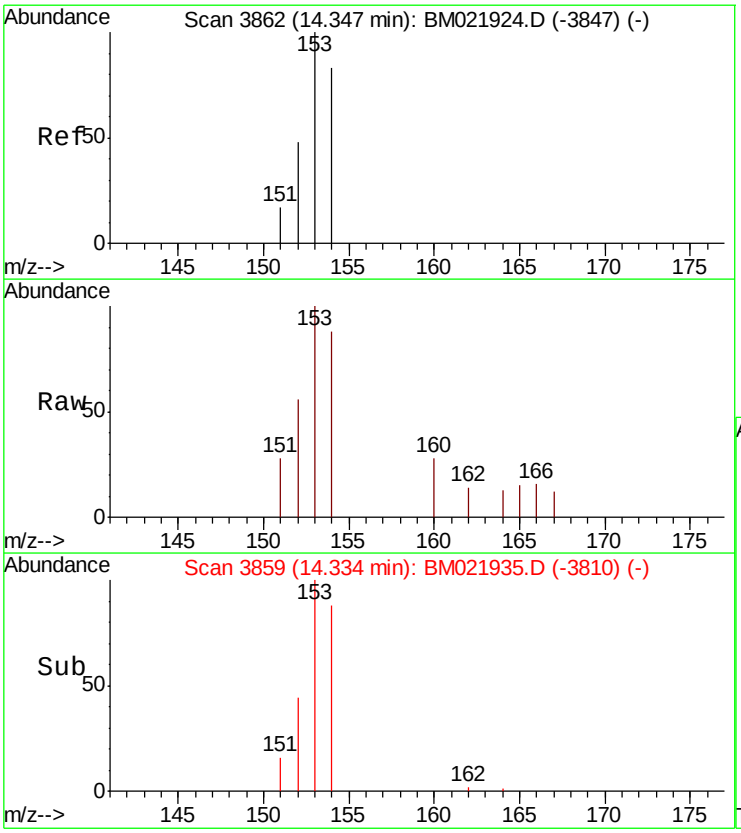
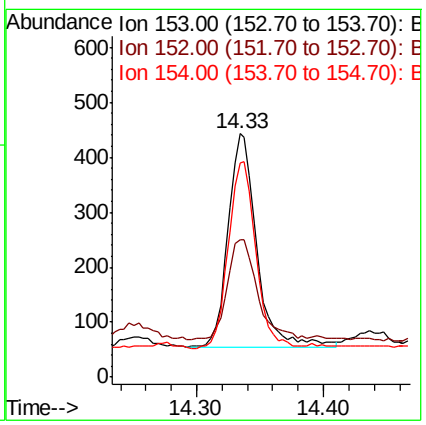
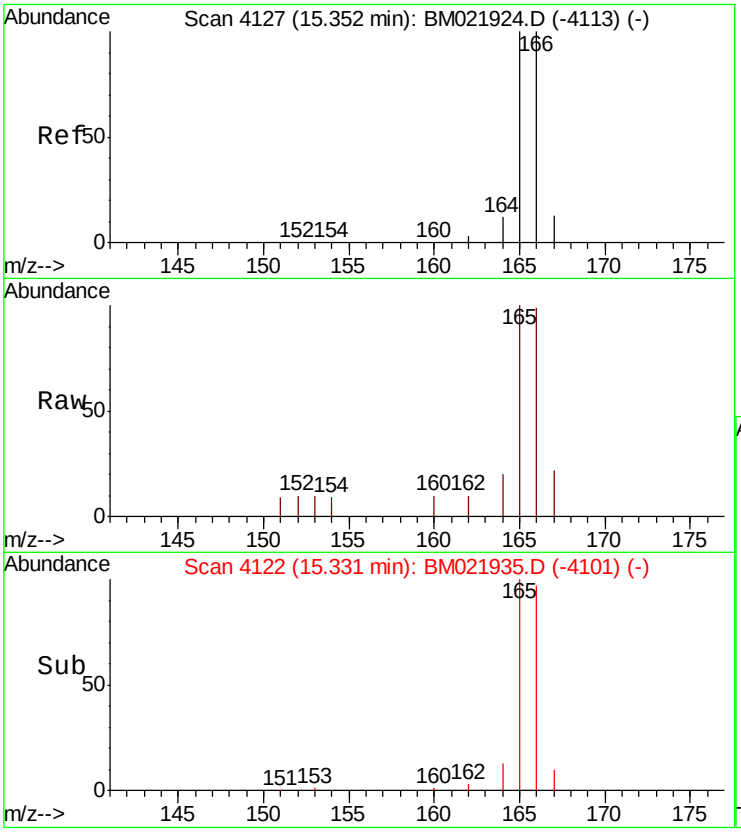


#8
Acenaphthene
Concen: 0.074 ng/ul
RT: 14.33 min Scan# 3859
Delta R.T. -0.01 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:153 Resp: 609

Ion	Ratio	Lower	Upper
153	100		
152	56.4	41.3	61.9
154	88.0	72.3	108.5





#9
Fluorene
Concen: 0.112 ng/ul
RT: 15.33 min Scan# 4122
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:166 Resp: 1028

Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.4	122.0
167	22.6	13.7	20.5#

Instrument :
BNA_M
ClientSampleId :
BENW2

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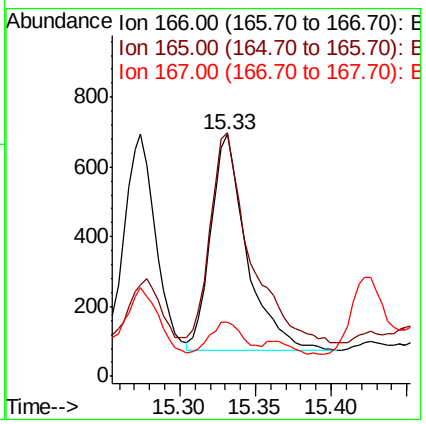
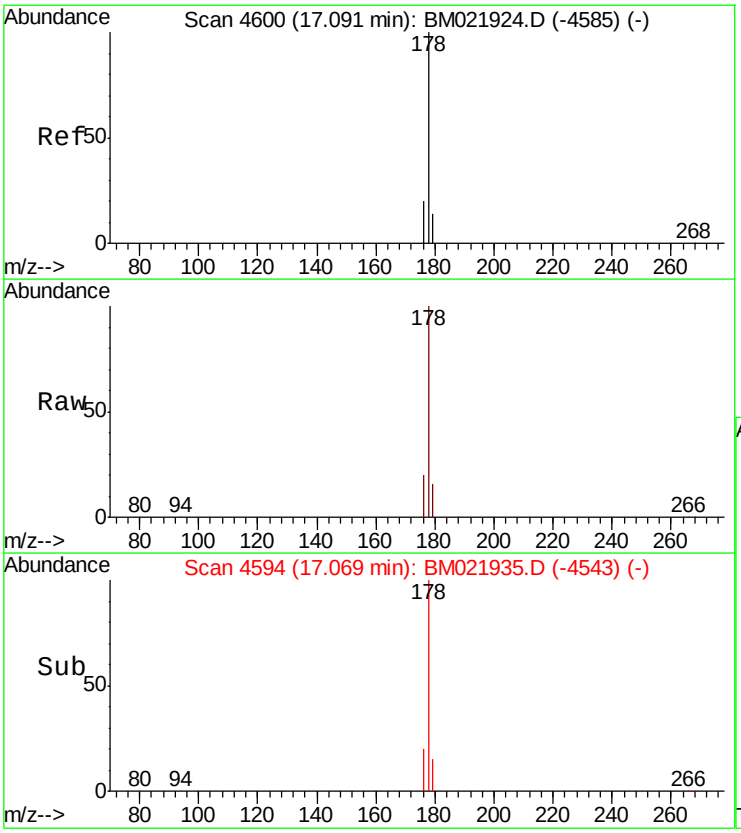
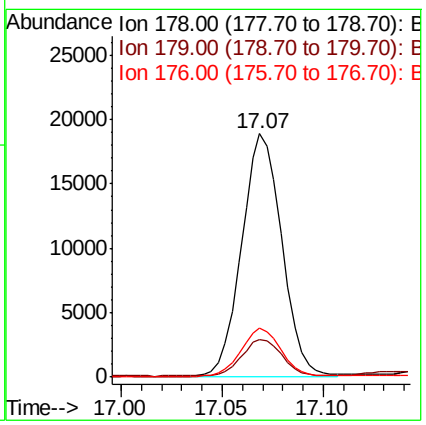


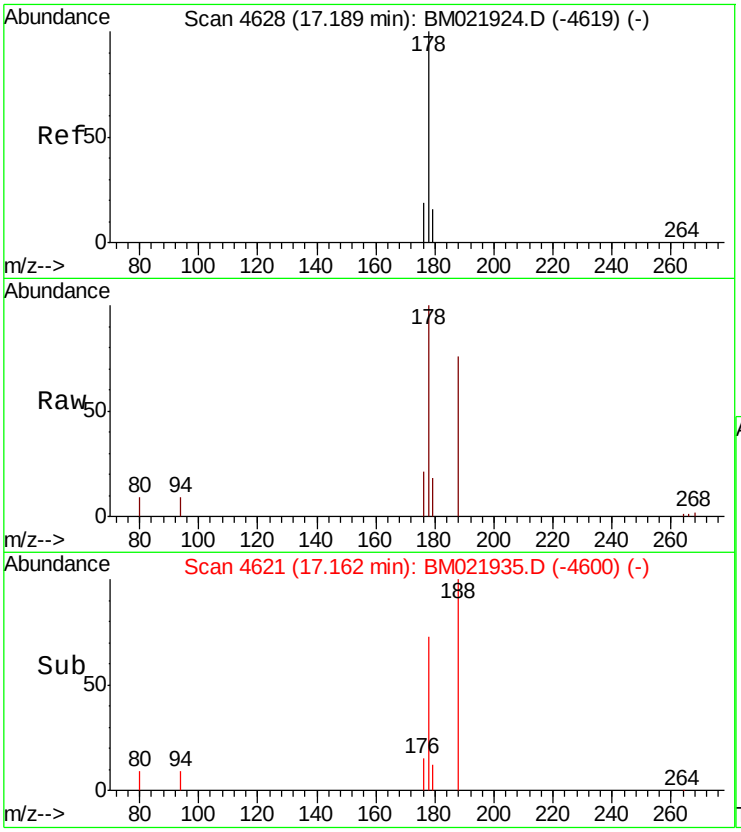


#12
Phenanthrene
Concen: 1.777 ng/ul m
RT: 17.07 min Scan# 4594
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:178 Resp: 26278

Ion	Ratio	Lower	Upper
178	100		
179	15.6	14.2	21.2
176	19.9	16.8	25.2

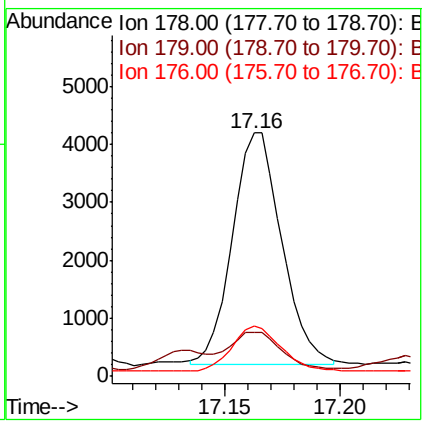




#13
Anthracene
Concen: 0.471 ng/ul m
RT: 17.16 min Scan# 4621
Delta R.T. -0.03 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:178 Resp: 5940

Ion	Ratio	Lower	Upper
178	100		
179	18.1	15.5	23.3
176	20.6	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BENW2

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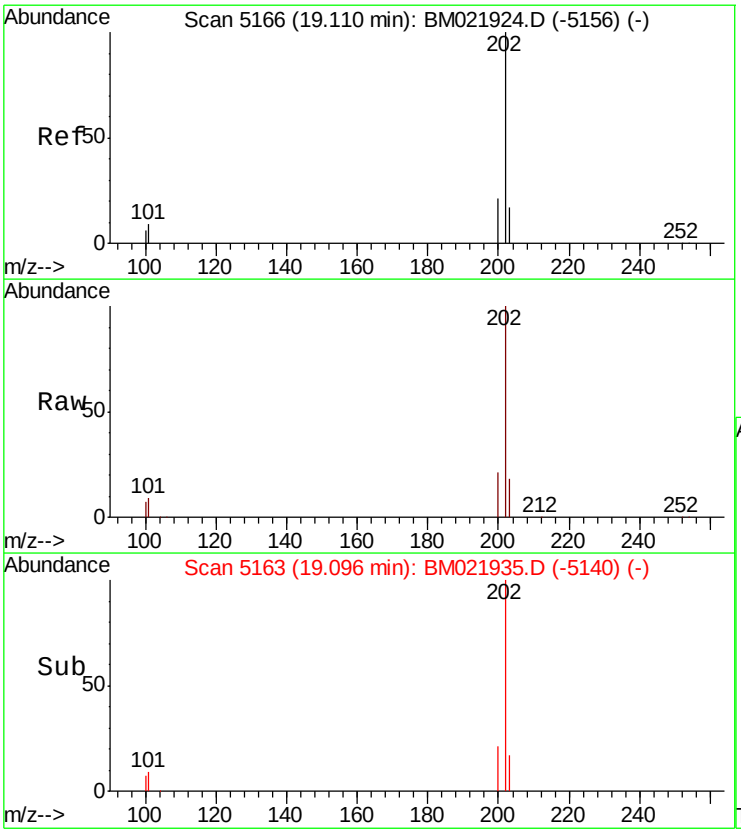
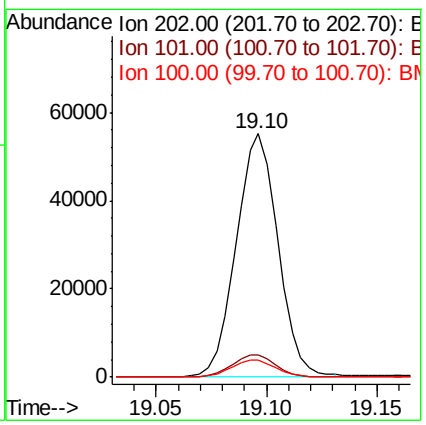
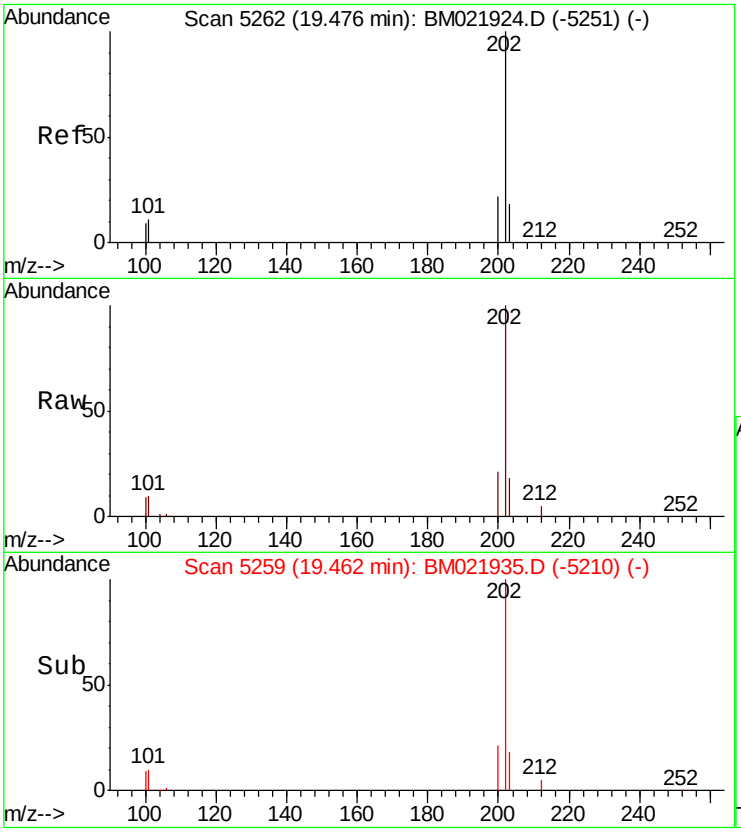


#15
Fluoranthene
Concen: 3.661 ng/ul m
RT: 19.10 min Scan# 5163
Delta R.T. -0.01 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:202 Resp: 72515

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





#17
Pyrene
Concen: 3.361 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:202 Resp: 69549

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.3	12.5
100	8.6	7.2	10.8

Instrument :
BNA_M
ClientSampleId :
BENW2

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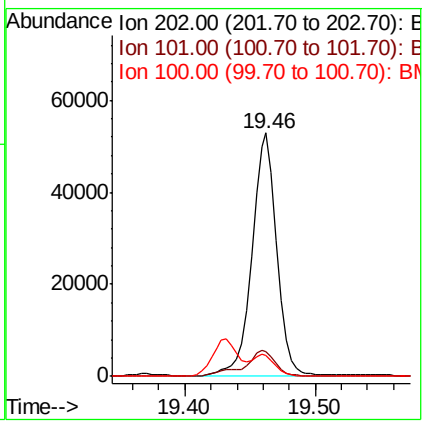
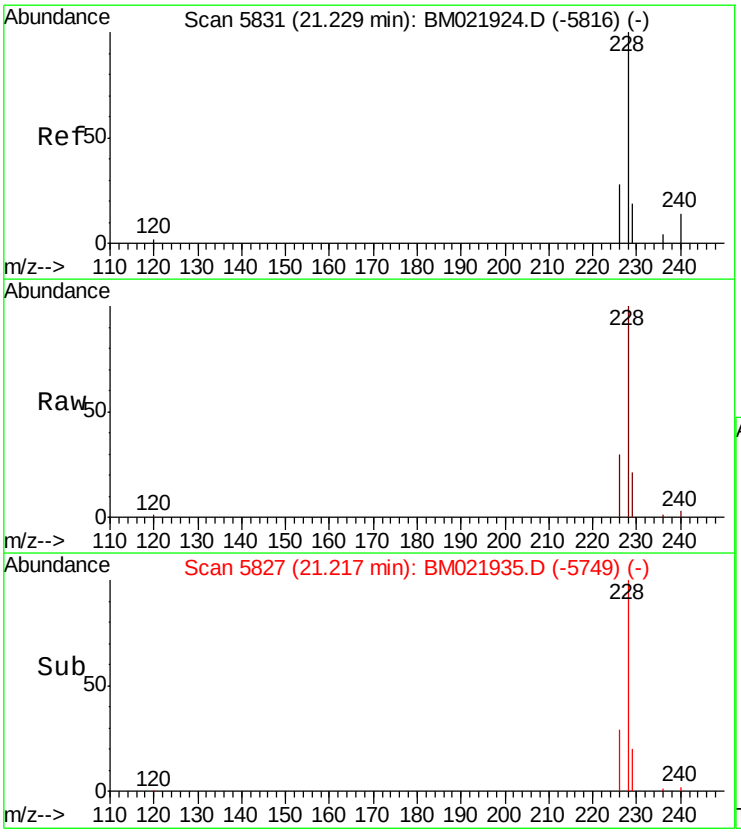
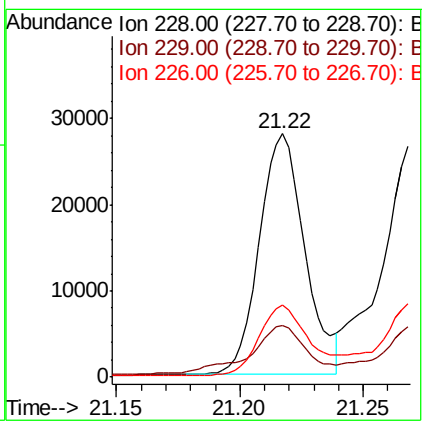


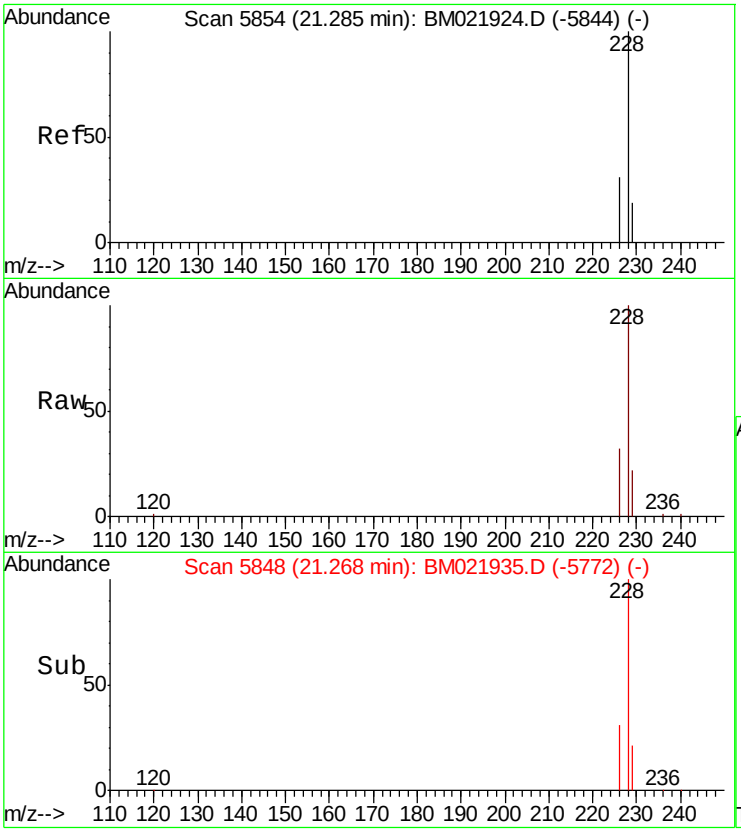


#18
Benzo(a)anthracene
Concen: 1.992 ng/ul
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:228 Resp: 35891

Ion	Ratio	Lower	Upper
228	100		
229	21.0	17.2	25.8
226	29.7	22.6	34.0





#19
Chrysene
Concen: 1.731 ng/ul
RT: 21.27 min Scan# 5848
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:228 Resp: 40090

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.9	37.3
229	21.7	16.6	25.0

Instrument :
BNA_M
ClientSampleId :
BENW2

Manual Integrations APPROVED
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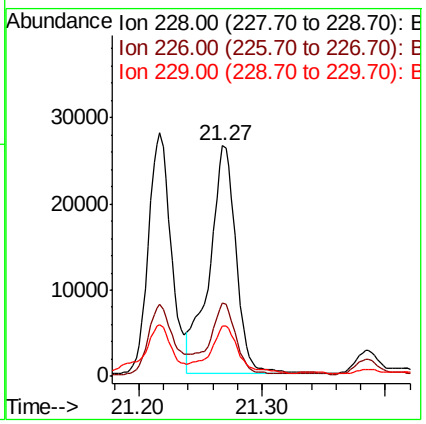
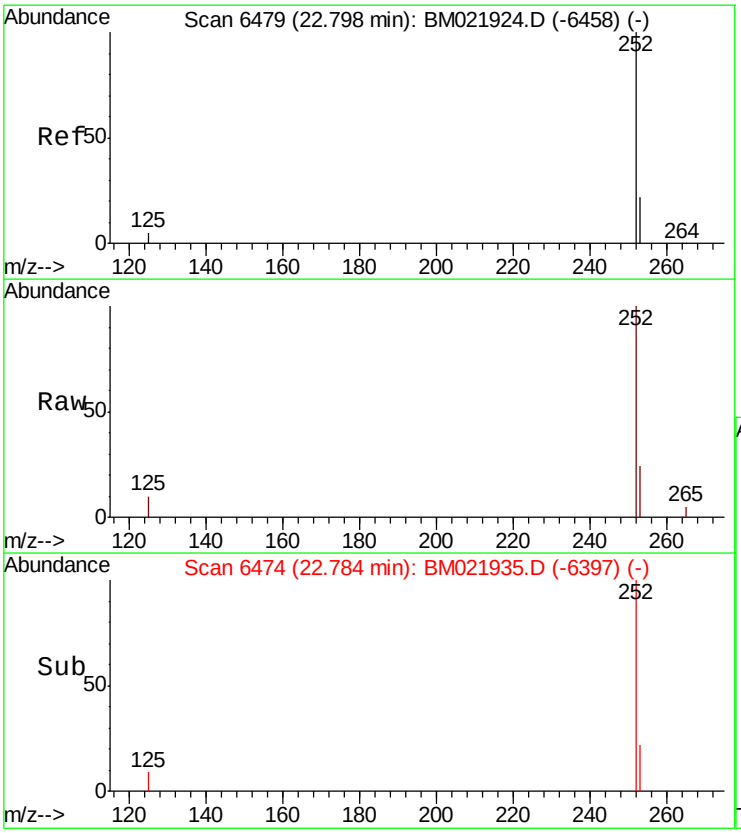
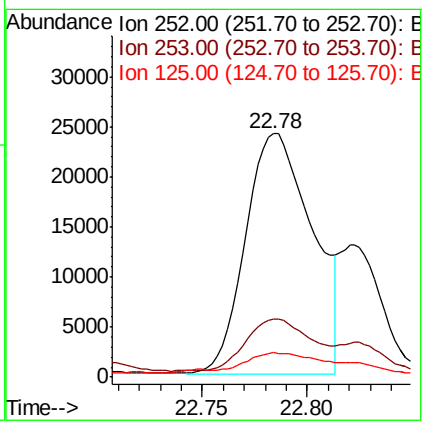


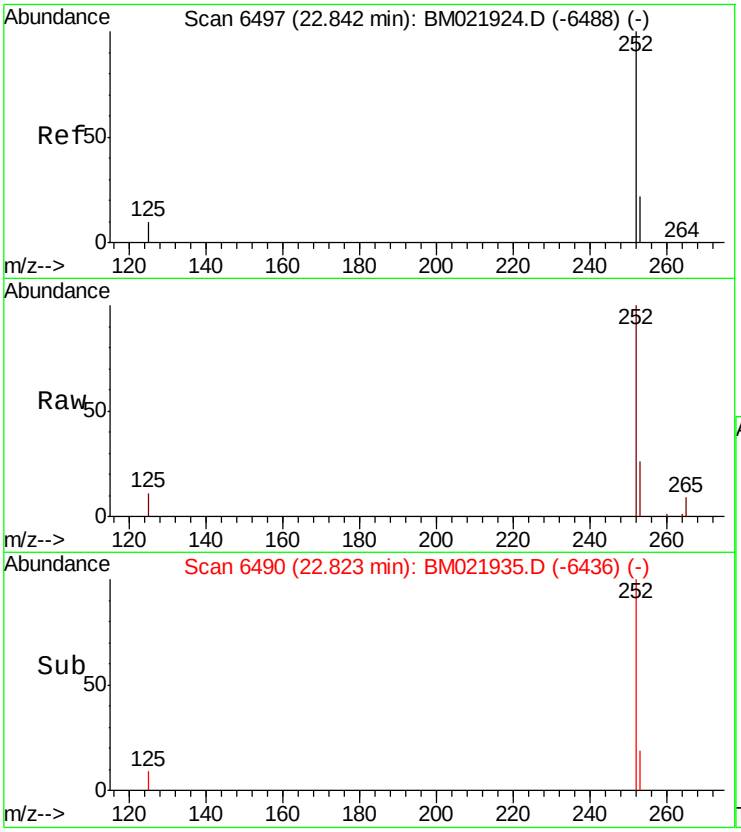


#21
Benzo(b)fluoranthene
Concen: 3.211 ng/ul m
RT: 22.78 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:252 Resp: 52900

Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	67.4
125	10.0	0.0	31.0





#22
Benzo(k)fluoranthene
Concen: 0.968 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:252 Resp: 18045

Ion	Ratio	Lower	Upper
252	100		
253	26.2	27.0	40.4#
125	11.0	12.2	18.2#

Instrument :
BNA_M
ClientSampleId :
BENW2

Manual Integrations APPROVED
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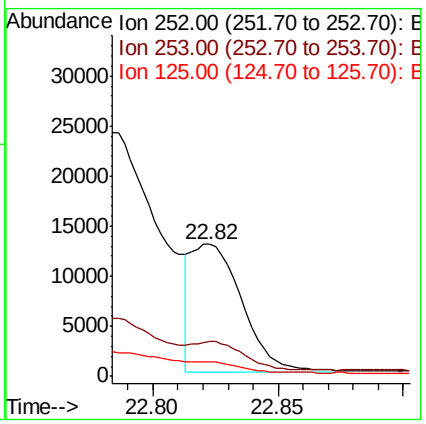
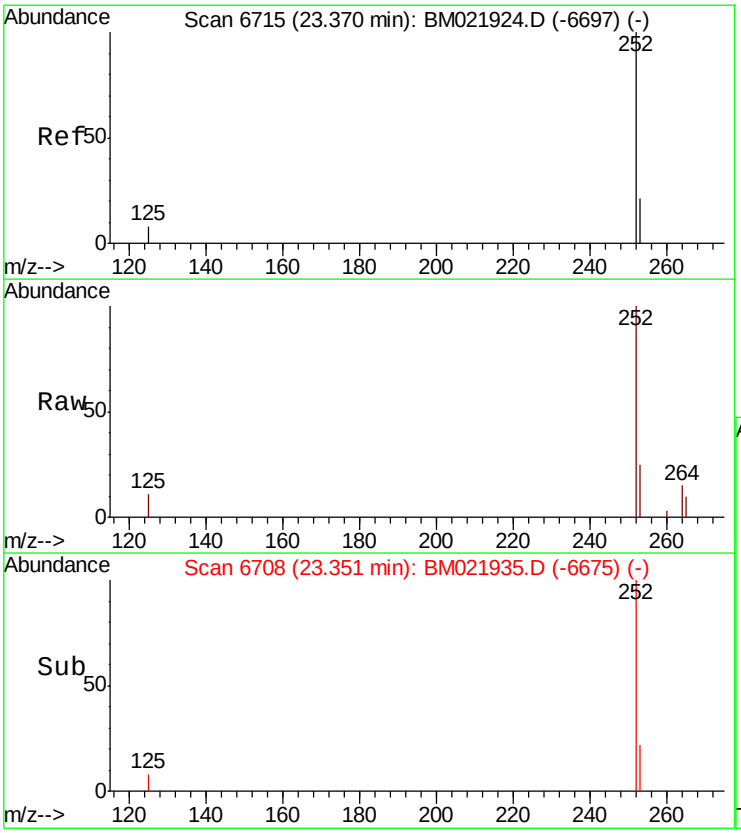
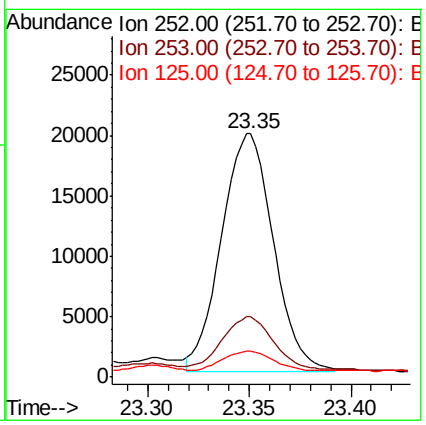


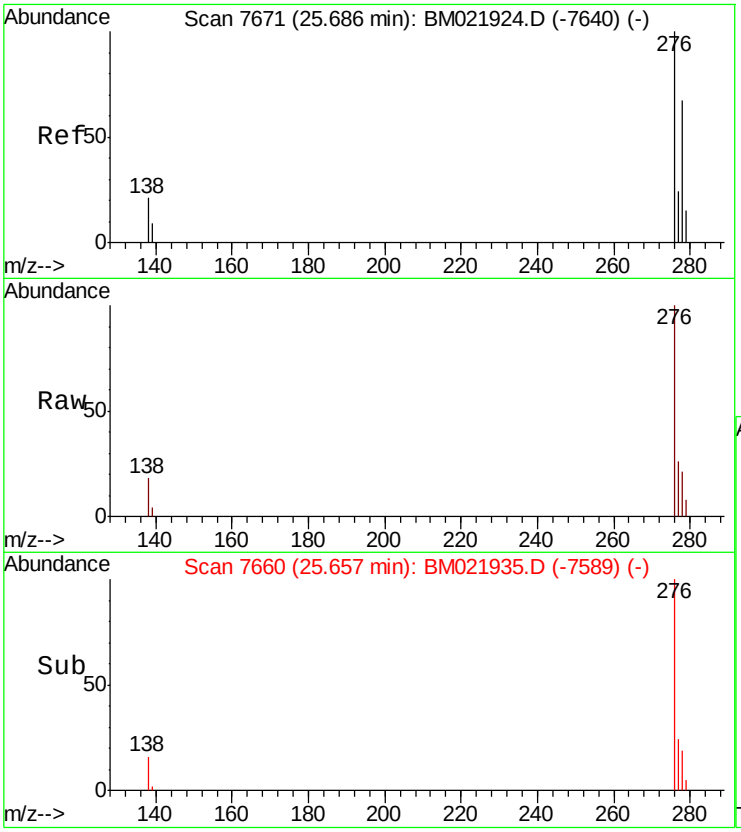


#23
Benzo(a)pyrene
Concen: 2.098 ng/ul m
RT: 23.35 min Scan# 6708
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:252 Resp: 35154

Ion	Ratio	Lower	Upper
252	100		
253	24.7	31.7	47.5#
125	10.6	14.6	21.8#





#24
Indeno(1,2,3-cd)pyrene
Concen: 1.240 ng/ul m
RT: 25.66 min Scan# 7660
Delta R.T. -0.03 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:276 Resp: 24814

Ion	Ratio	Lower	Upper
276	100		
138	1.6	15.1	22.7#
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
BENW2

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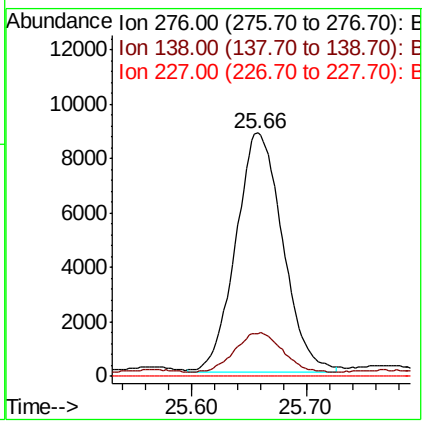
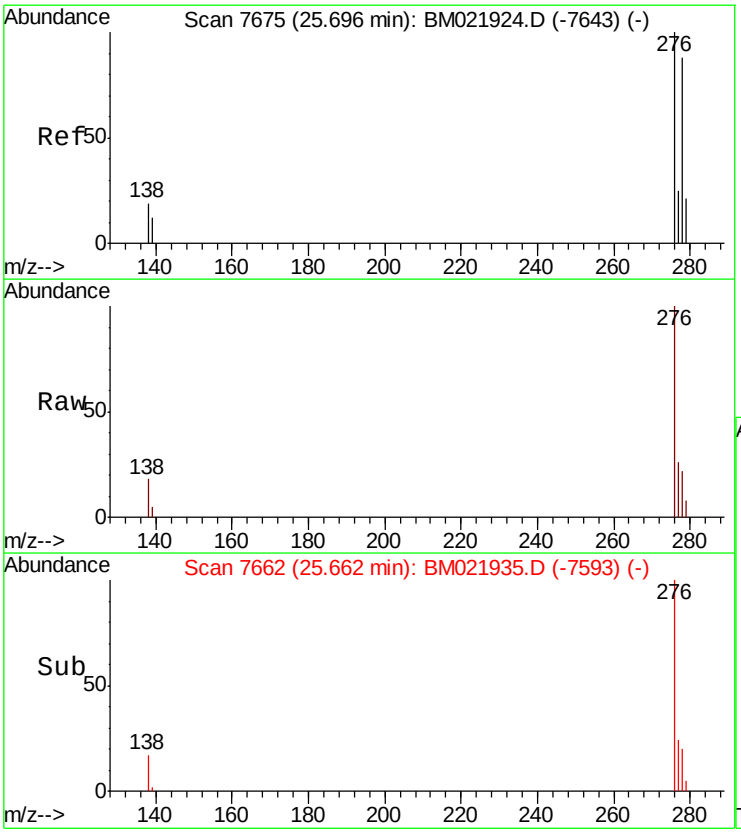
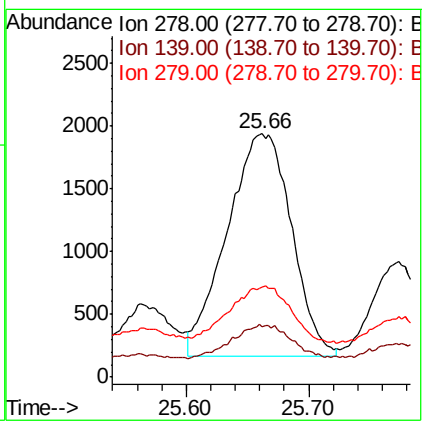


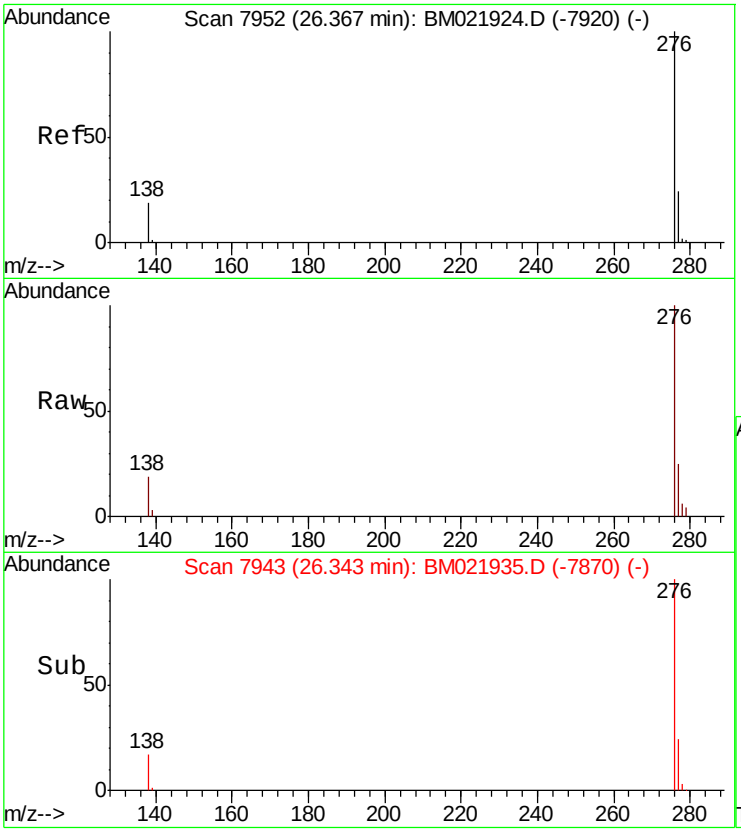


#25
Dibenzo(a,h)anthracene
Concen: 0.399 ng/ul m
RT: 25.66 min Scan# 7662
Delta R.T. -0.03 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:278 Resp: 6450

Ion	Ratio	Lower	Upper
278	100		
139	20.9	14.2	21.2
279	37.1	28.3	42.5

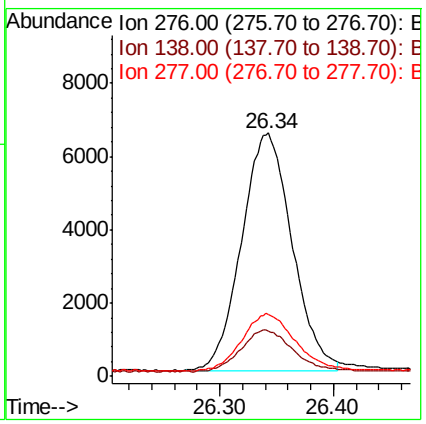




#26
Benzo(g,h,i)perylene
Concen: 1.112 ng/ul m
RT: 26.34 min Scan# 7943
Delta R.T. -0.02 min
Lab File: BM021935.D
Acq: 08 Aug 2019 16:16

Tgt Ion:276 Resp: 20032

Ion	Ratio	Lower	Upper
276	100		
138	18.8	15.5	23.3
277	25.5	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
BENW2

Manual Integrations APPROVED
mohammad
8/9/2019 6:12:59 AM