Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021936.D
Acq On : 08 Aug 2019 16:53
Operator : HP/JU
Sample : K4029-20
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT9

Manual Integrations APPROVED
mohammad
8/9/2019 6:13:06 AM

Quant Time: Aug 09 01:25:46 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	935	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	4002	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2201	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5050m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	5064m	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	5066m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1429	0.22	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	4248m	0.25	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.45	128	1086	0.096	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	607	0.081	ng/ul	95
7) Acenaphthylene	14.00	152	3389	0.330	ng/ul#	84
8) Acenaphthene	14.33	153	1482	0.176	ng/ul	97
9) Fluorene	15.33	166	1744	0.187	ng/ul	99
12) Phenanthrene	17.07	178	39060m	2.658	ng/ul	
13) Anthracene	17.16	178	9975m	0.796	ng/ul	
15) Fluoranthene	19.10	202	87049m	4.422	ng/ul	
17) Pyrene	19.46	202	99802	4.796	ng/ul	99
18) Benzo(a)anthracene	21.22	228	61046m	3.370	ng/ul	
19) Chrysene	21.27	228	62933	2.702	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	66184m	3.874	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	25538m	1.321	ng/ul	
23) Benzo(a)pyrene	23.35	252	51547m	2.967	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	31563m	1.522	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	9888m	0.590	ng/ul	
26) Benzo(g,h,i)perylene	26.34	276	25723m	1.377	ng/ul	

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

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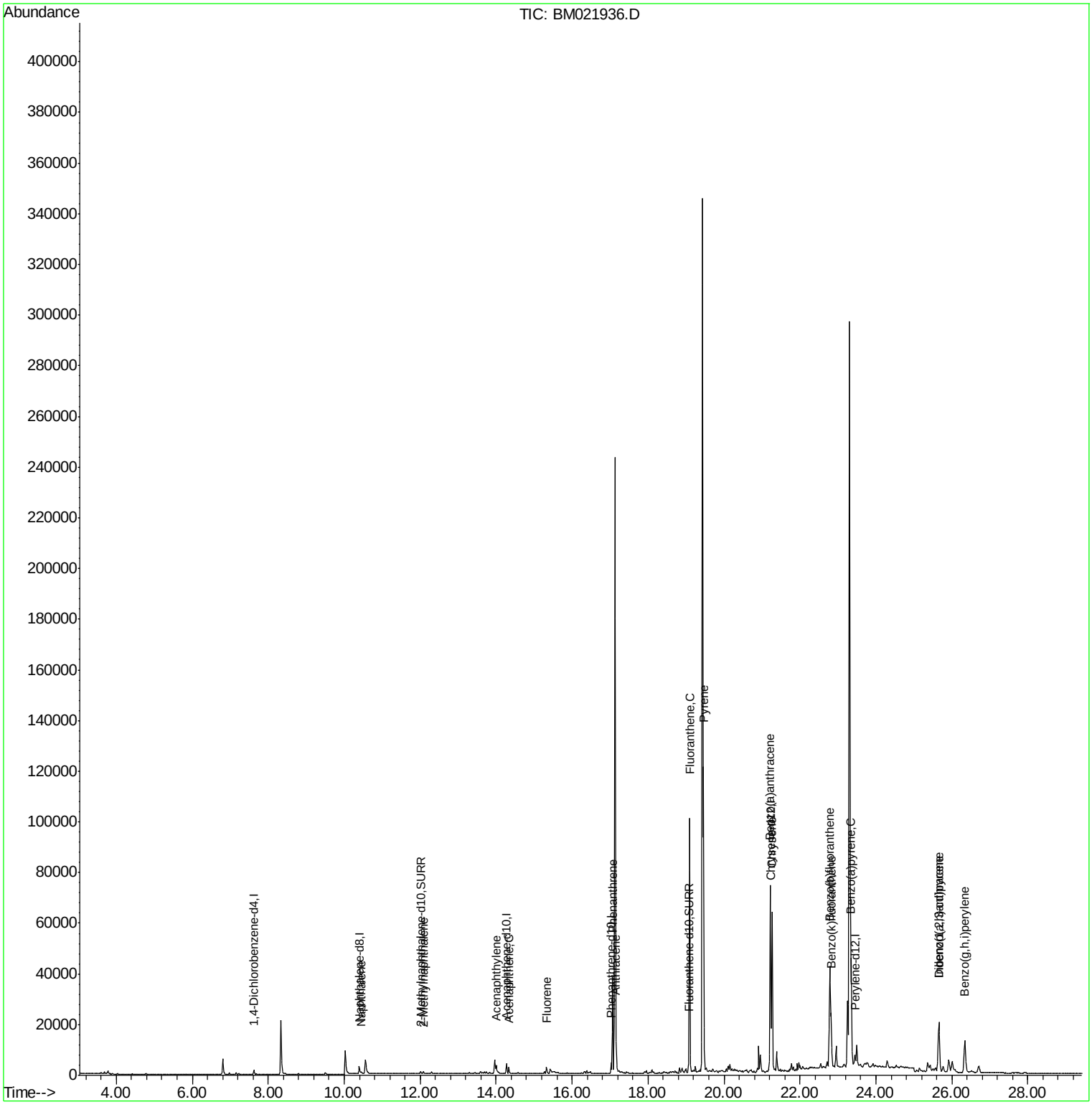

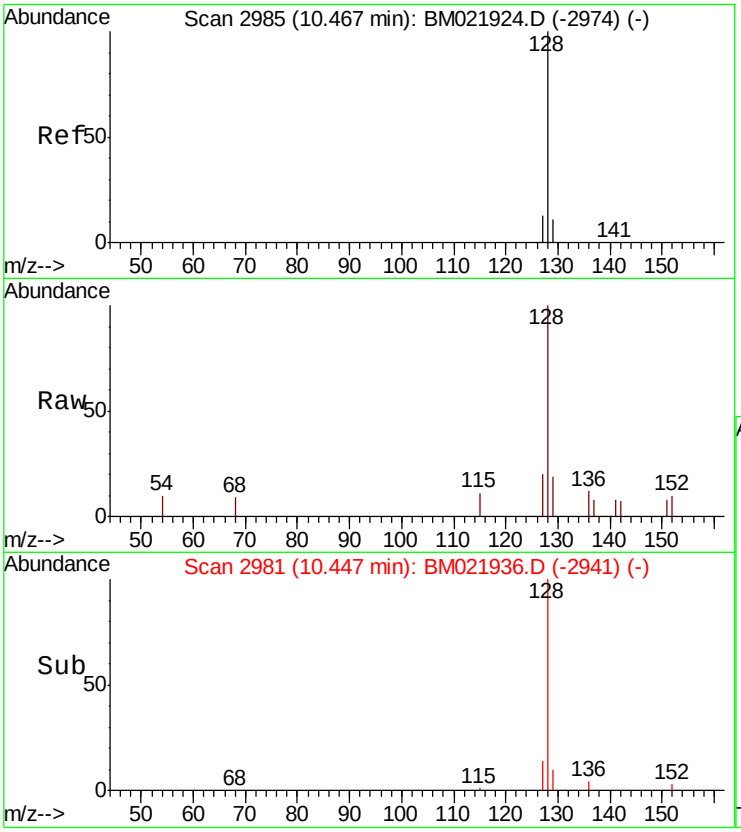

#3
Naphthalene
Concen: 0.096 ng/ul
RT: 10.45 min Scan# 2981
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:128 Resp: 1086

Ion	Ratio	Lower	Upper
128	100		
129	18.9	12.3	18.5#
127	19.9	13.0	19.6#

Instrument :
BNA_M
ClientSampleId :
BENT9

Manual Integrations APPROVED
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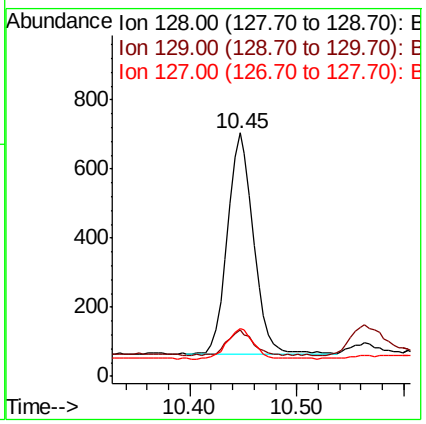
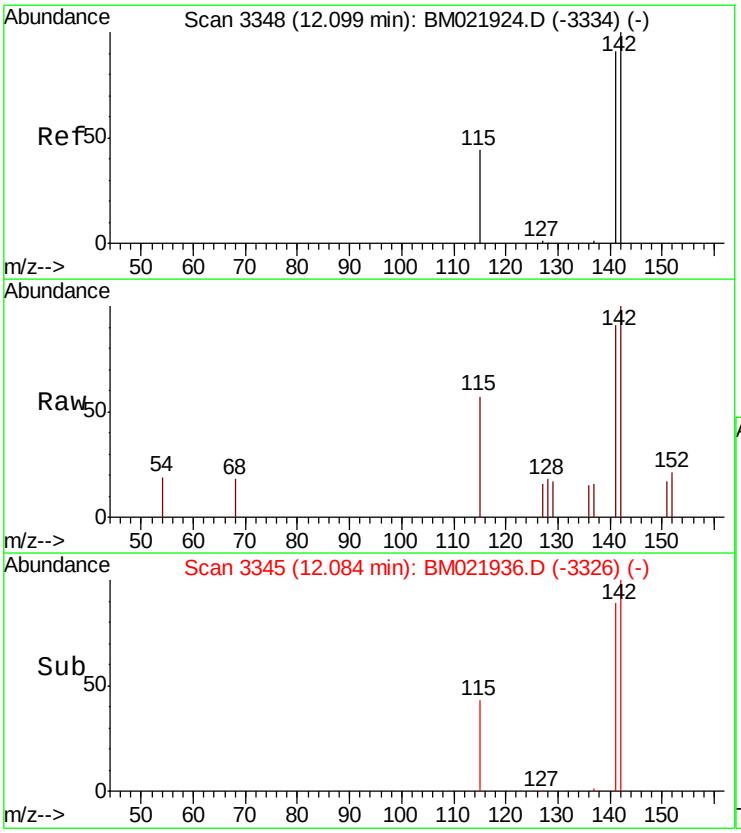
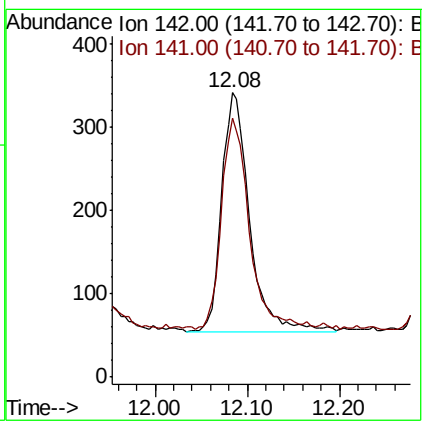


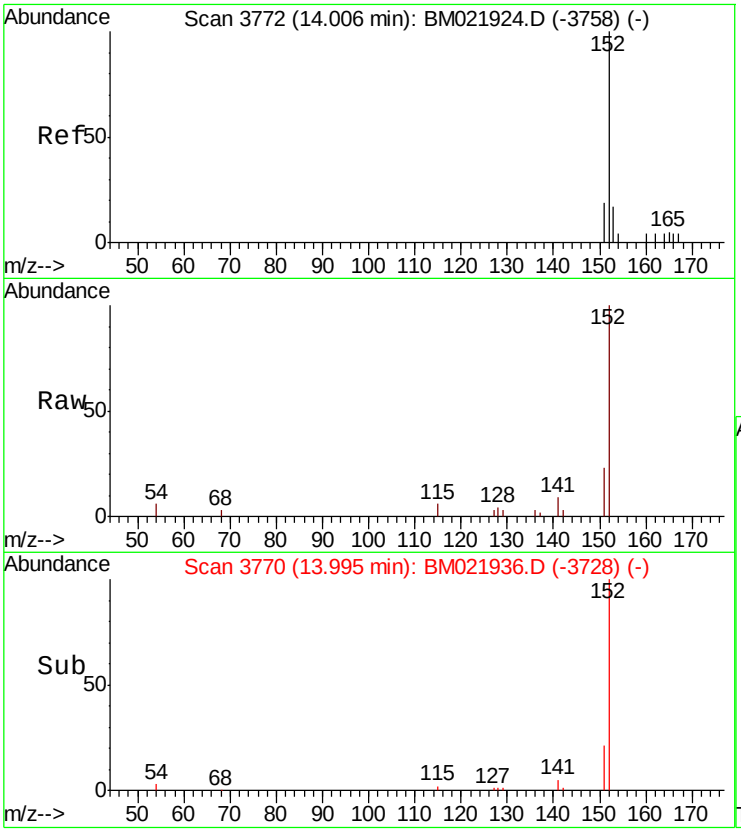


#5
2-Methylnaphthalene
Concen: 0.081 ng/ul
RT: 12.08 min Scan# 3345
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:142 Resp: 607

Ion	Ratio	Lower	Upper
142	100		
141	88.0	74.3	111.5





#7
Acenaphthylene
Concen: 0.330 ng/ul
RT: 14.00 min Scan# 3770
Delta R.T. -0.01 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:152 Resp: 3389

Ion	Ratio	Lower	Upper
152	100		
151	22.6	18.3	27.5
153	0.0	12.8	19.2#

Instrument :
BNA_M
ClientSampleId :
BENT9

Manual Integrations APPROVED
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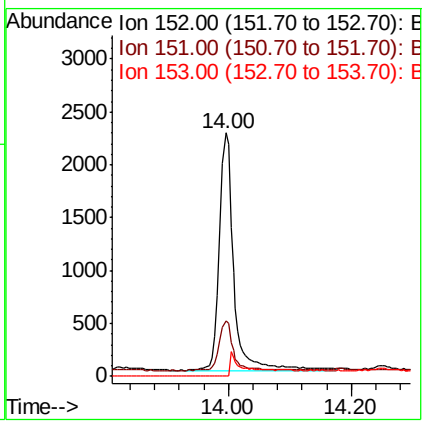
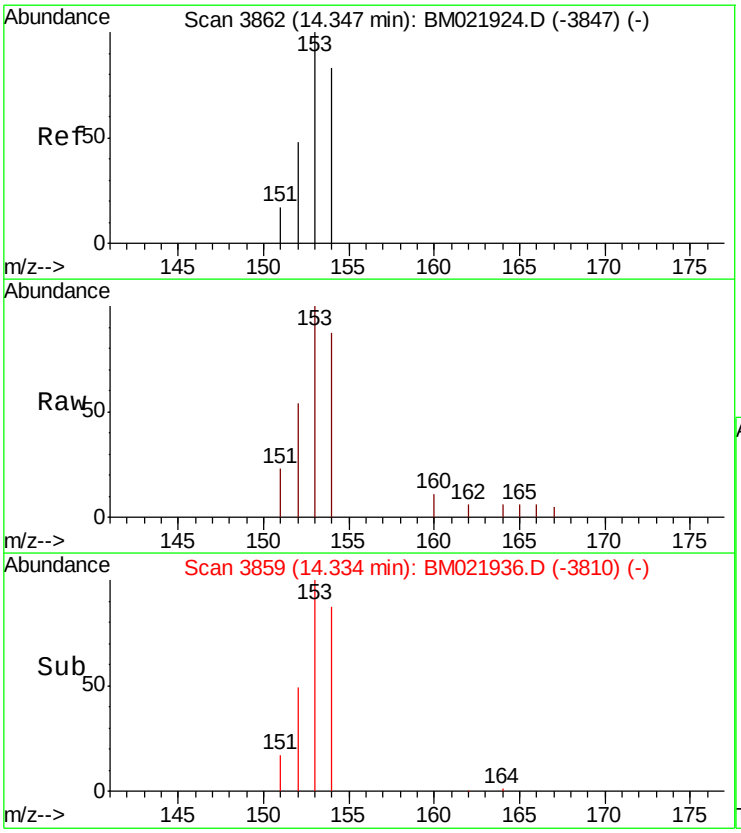
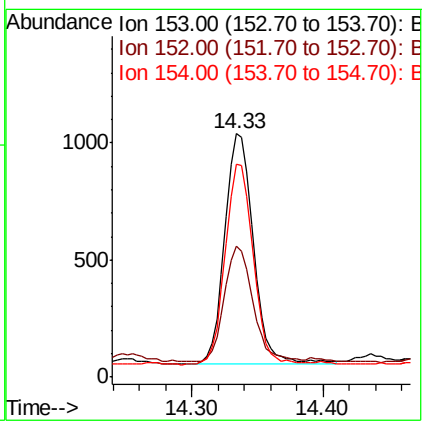


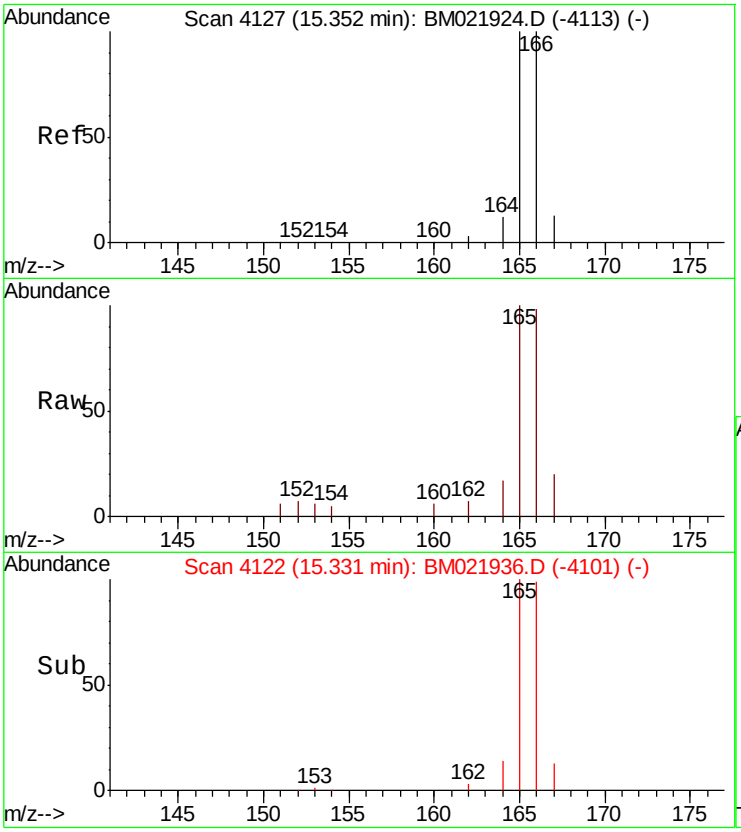


#8
Acenaphthene
Concen: 0.176 ng/ul
RT: 14.33 min Scan# 3859
Delta R.T. -0.01 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:153 Resp: 1482

Ion	Ratio	Lower	Upper
153	100		
152	53.7	41.3	61.9
154	87.3	72.3	108.5

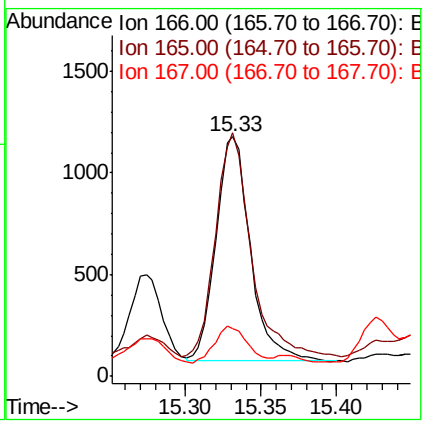




#9
Fluorene
Concen: 0.187 ng/ul
RT: 15.33 min Scan# 4122
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:166 Resp: 1744

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.4	122.0
167	19.9	13.7	20.5



Instrument :
BNA_M
ClientSampleId :
BENT9

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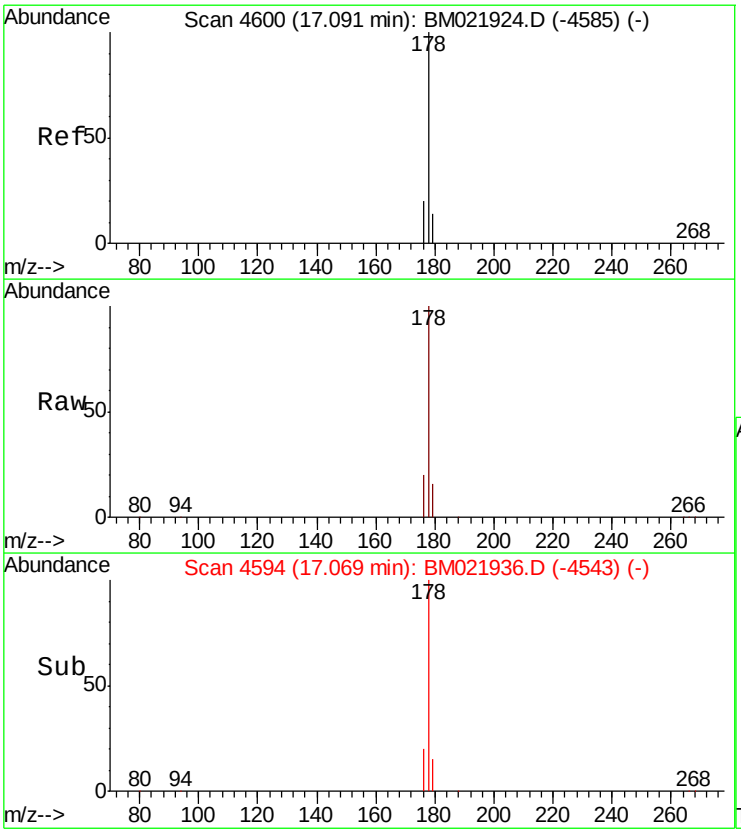
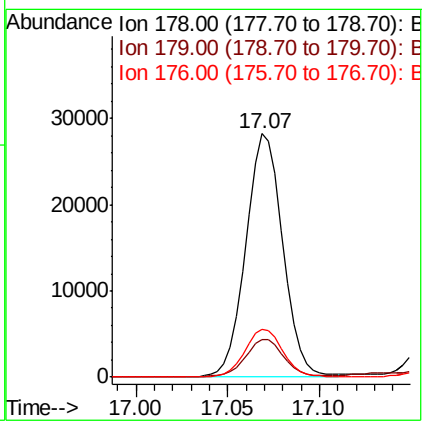
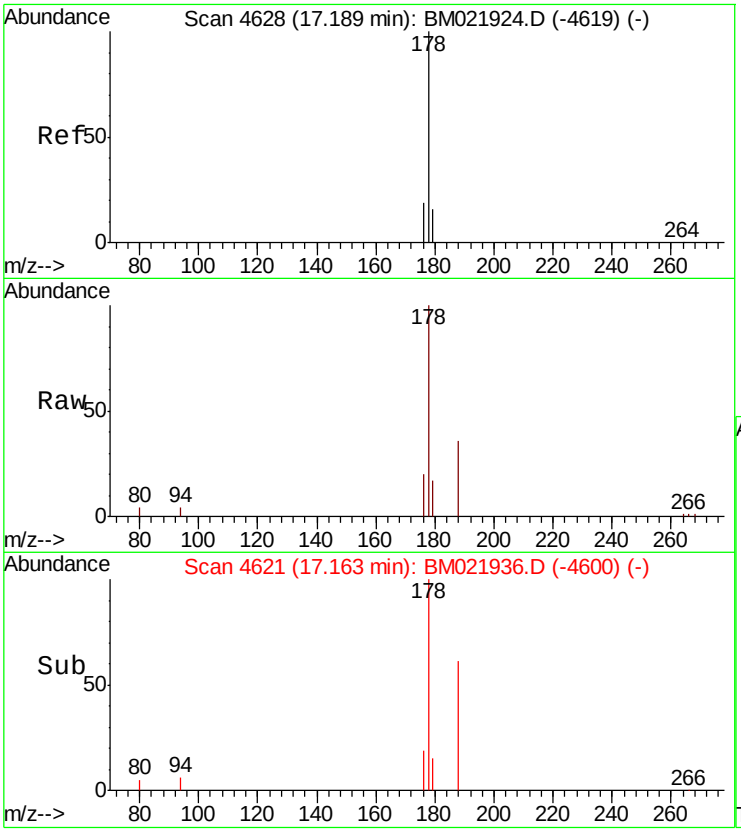


#12
Phenanthrene
Concen: 2.658 ng/ul m
RT: 17.07 min Scan# 4594
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:178 Resp: 39060

Ion	Ratio	Lower	Upper
178	100		
179	15.5	14.2	21.2
176	19.9	16.8	25.2

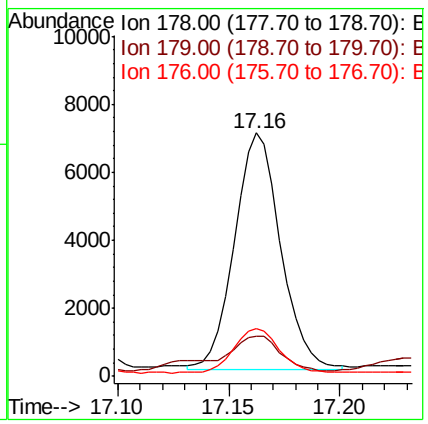




#13
Anthracene
Concen: 0.796 ng/ul m
RT: 17.16 min Scan# 4621
Delta R.T. -0.03 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:178 Resp: 9975

Ion	Ratio	Lower	Upper
178	100		
179	16.7	15.5	23.3
176	19.8	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BENT9

Manual Integrations APPROVED
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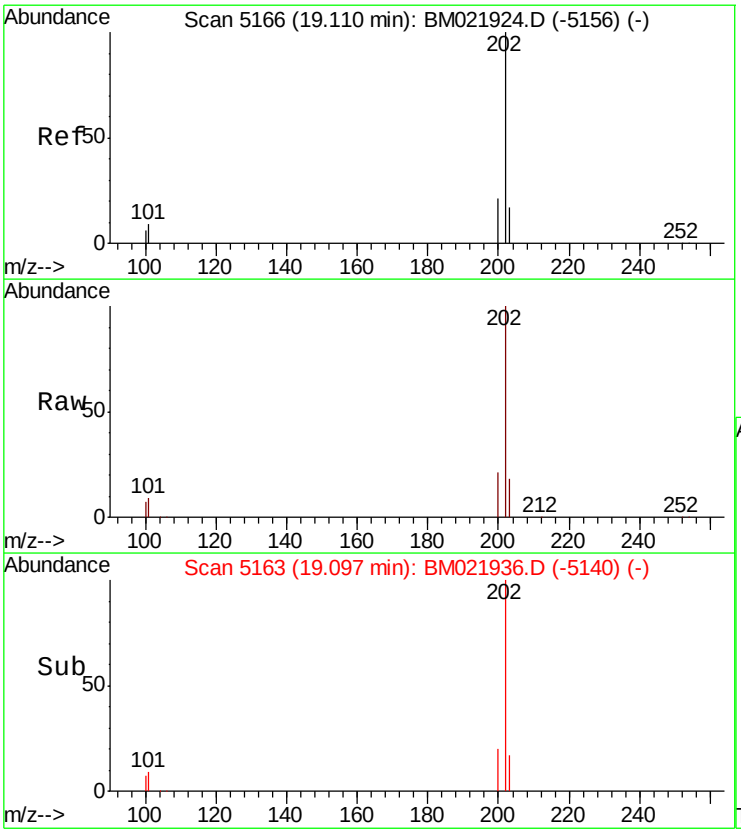
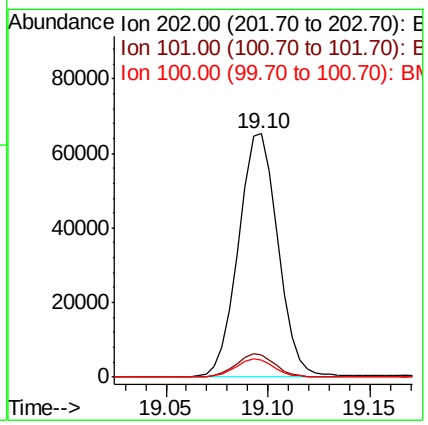
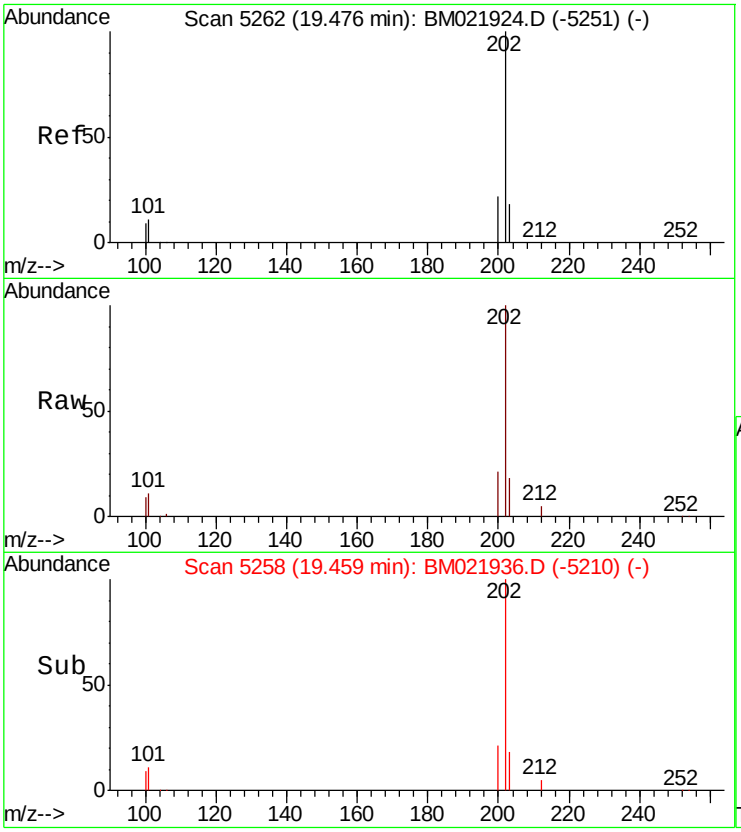


#15
Fluoranthene
Concen: 4.422 ng/ul m
RT: 19.10 min Scan# 5163
Delta R.T. -0.01 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:202 Resp: 87049

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.2
100	6.9	0.0	28.1





#17
Pyrene
Concen: 4.796 ng/ul
RT: 19.46 min Scan# 5258
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:202 Resp: 99802

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.3	12.5
100	9.3	7.2	10.8

Instrument :
BNA_M
ClientSampleId :
BENT9

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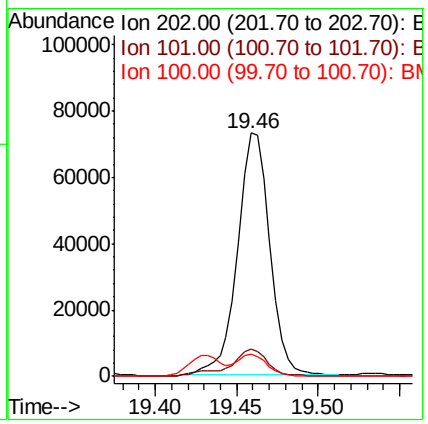
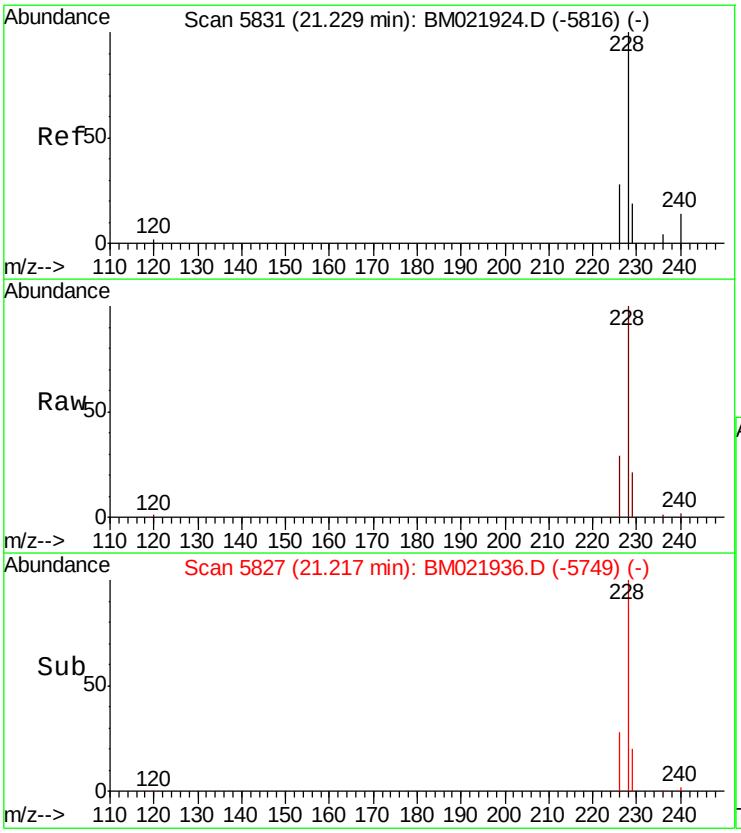
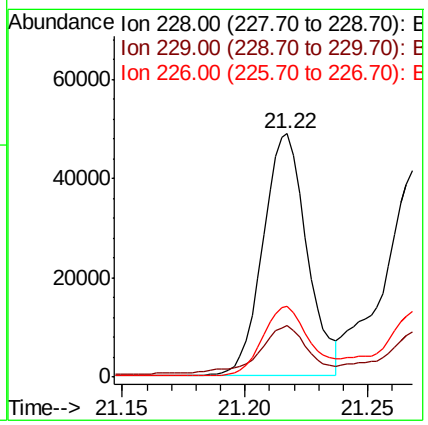


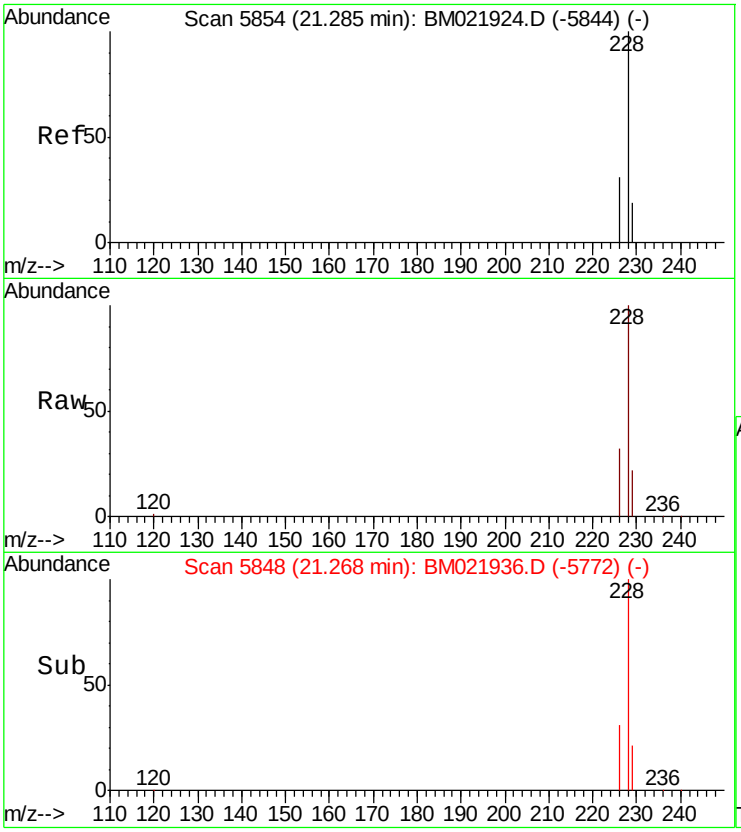


#18
Benzo(a)anthracene
Concen: 3.370 ng/ul m
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:228 Resp: 61046

Ion	Ratio	Lower	Upper
228	100		
229	20.9	17.2	25.8
226	29.0	22.6	34.0





#19
Chrysene
Concen: 2.702 ng/ul
RT: 21.27 min Scan# 5848
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:228 Resp: 62933

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	21.6	16.6	25.0

Instrument :
BNA_M
ClientSampleId :
BENT9

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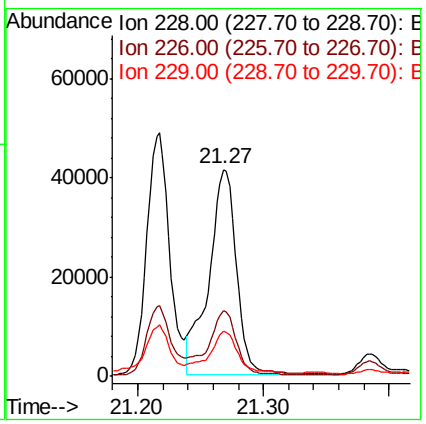
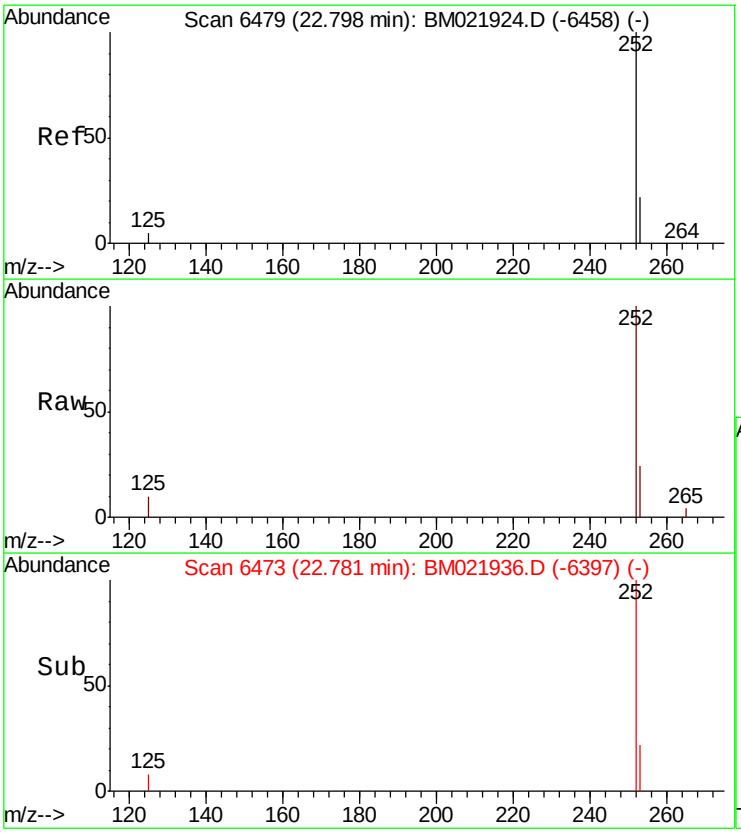
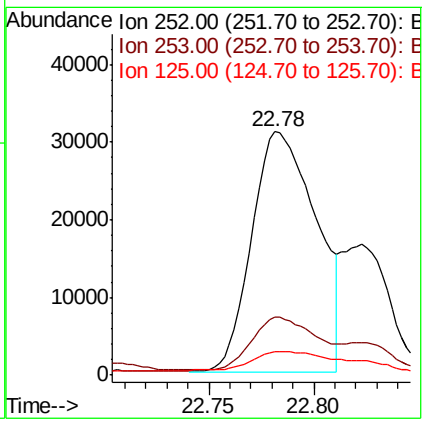


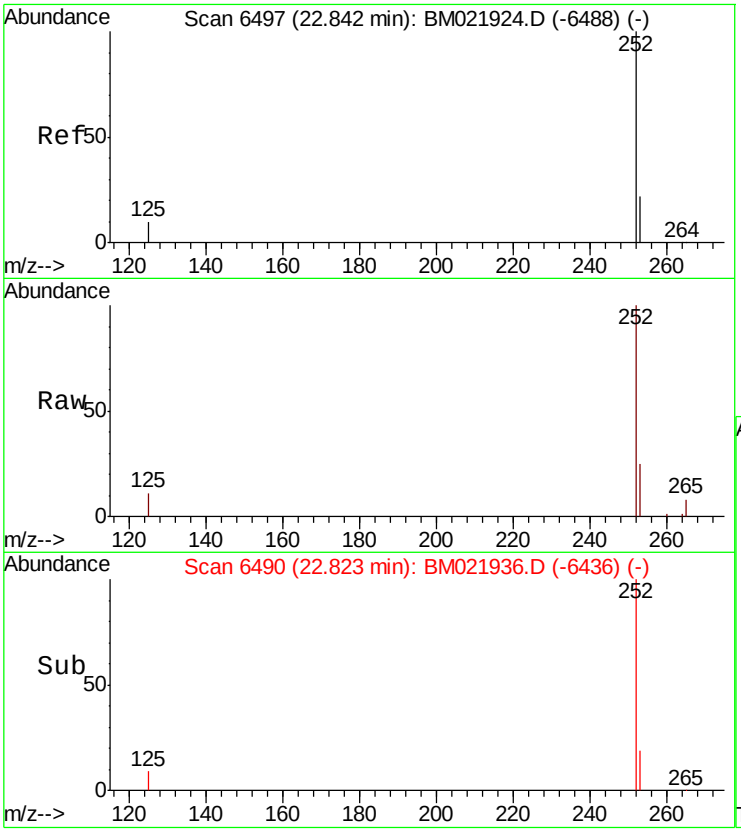


#21
Benzo(b)fluoranthene
Concen: 3.874 ng/ul m
RT: 22.78 min Scan# 6473
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:252 Resp: 66184

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	67.4
125	9.6	0.0	31.0





#22
Benzo(k)fluoranthene
Concen: 1.321 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:252 Resp: 25538

Ion	Ratio	Lower	Upper
252	100		
253	25.2	27.0	40.4#
125	11.2	12.2	18.2#

Instrument :
BNA_M
ClientSampleId :
BENT9

Manual Integrations APPROVED
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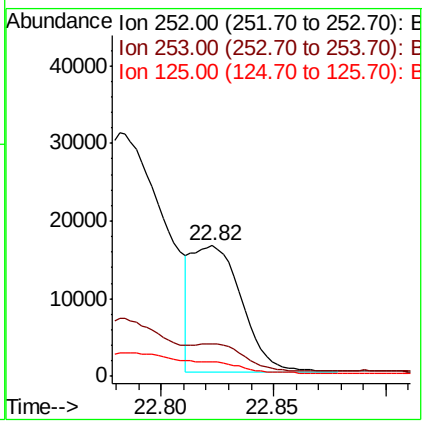
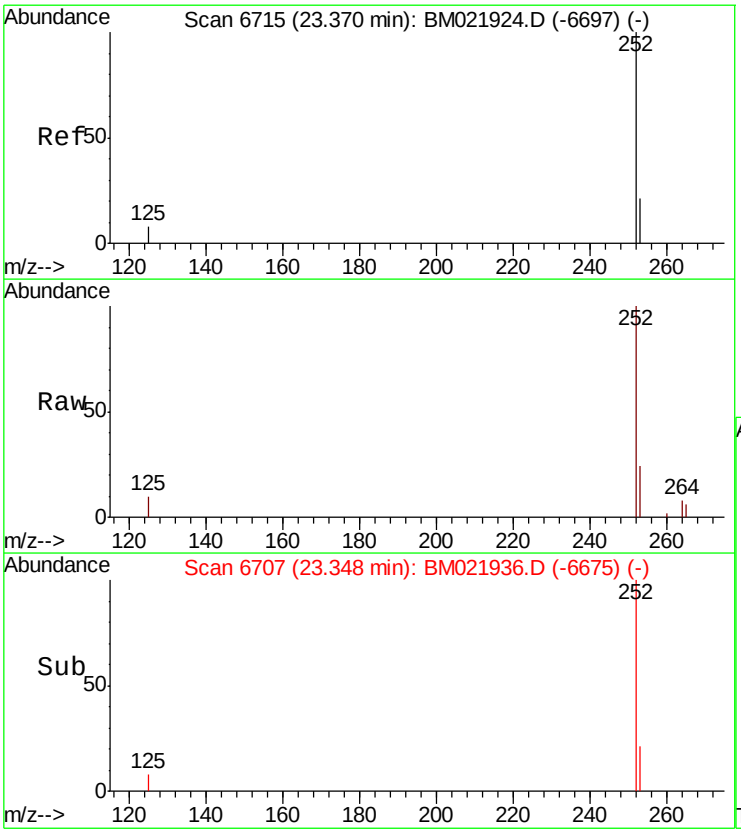
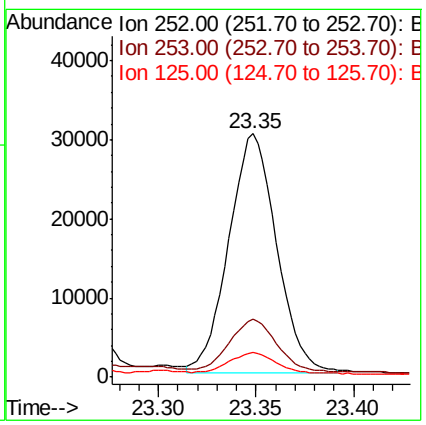


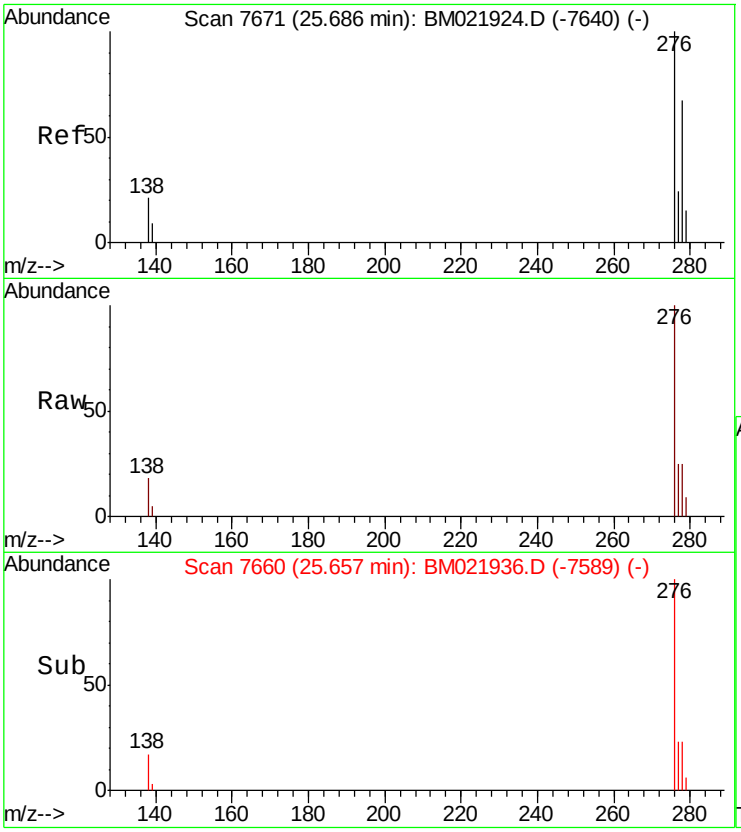


#23
Benzo(a)pyrene
Concen: 2.967 ng/ul m
RT: 23.35 min Scan# 6707
Delta R.T. -0.02 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:252 Resp: 51547

Ion	Ratio	Lower	Upper
252	100		
253	23.7	31.7	47.5#
125	10.1	14.6	21.8#

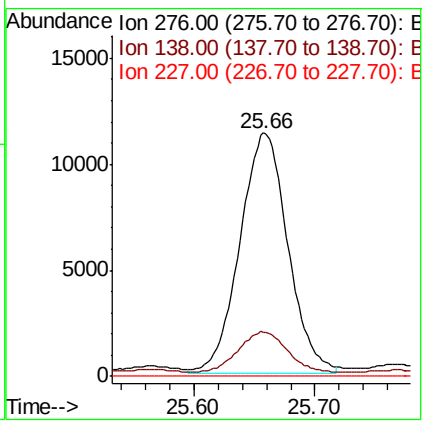




#24
Indeno(1,2,3-cd)pyrene
Concen: 1.522 ng/ul m
RT: 25.66 min Scan# 7660
Delta R.T. -0.03 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

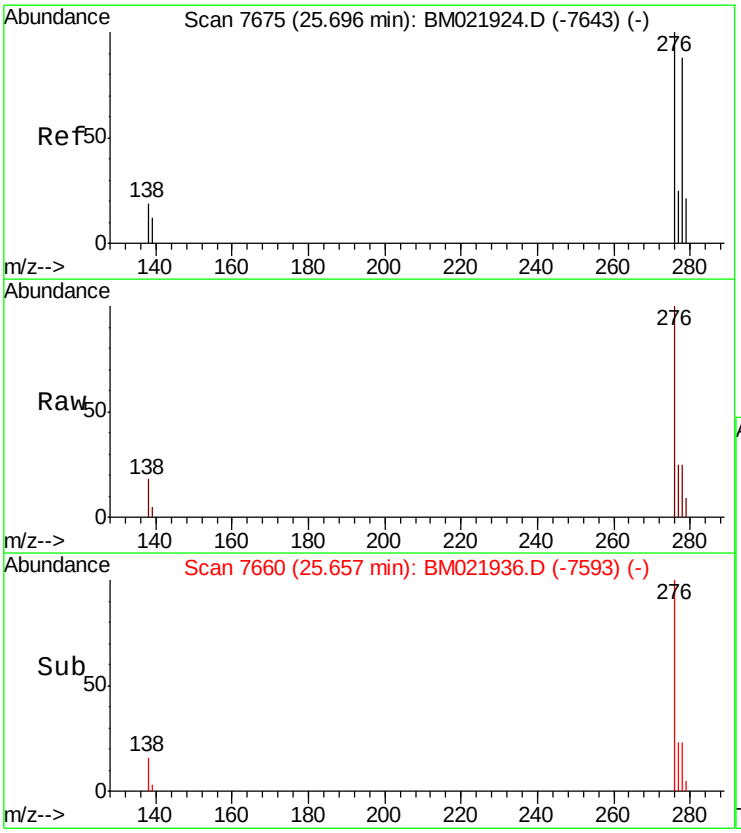
Tgt Ion:276 Resp: 31563

Ion	Ratio	Lower	Upper
276	100		
138	2.7	15.1	22.7#
227	0.0	0.0	0.0



Instrument :
BNA_M
ClientSampleId :
BENT9

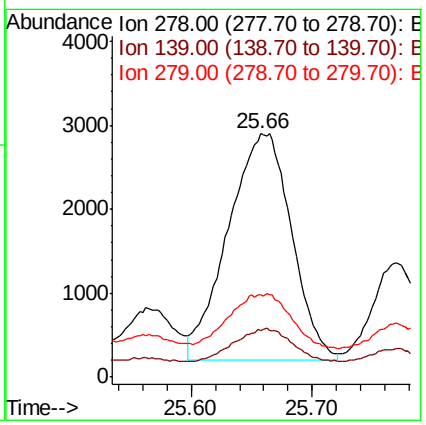
Manual Integrations APPROVED
mohammad
8/9/2019 6:13:06 AM

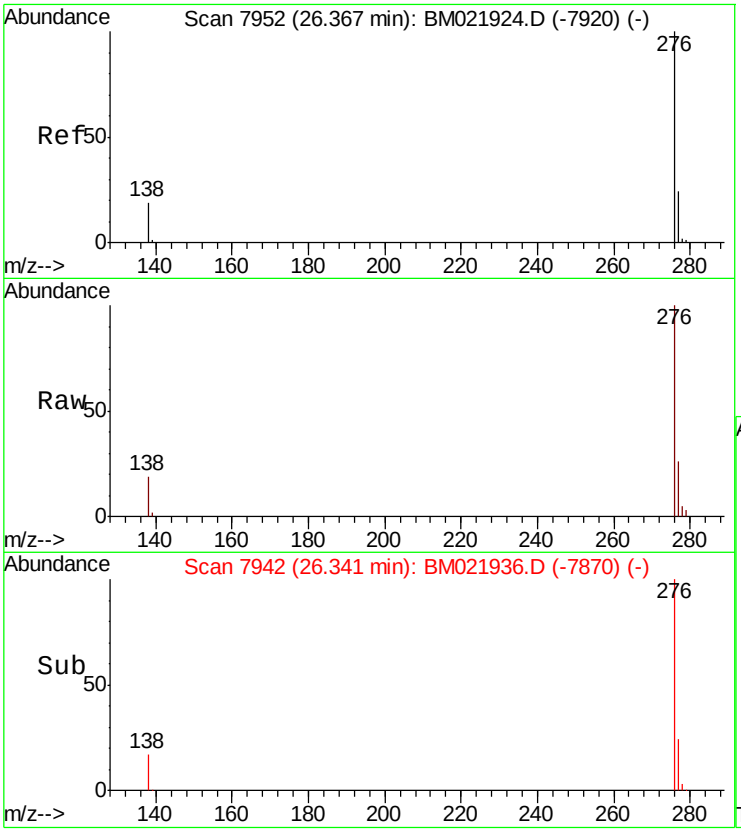


#25
Dibenzo(a,h)anthracene
Concen: 0.590 ng/ul m
RT: 25.66 min Scan# 7660
Delta R.T. -0.04 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:278 Resp: 9888

Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.2	21.2
279	33.8	28.3	42.5

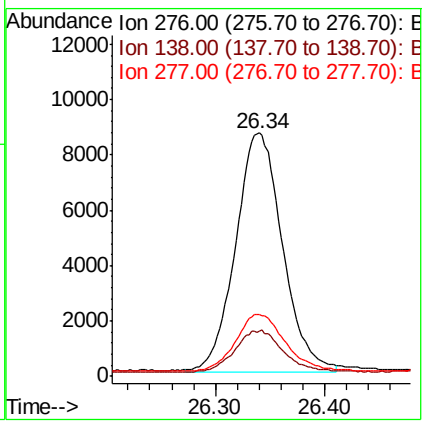




#26
Benzo(g,h,i)perylene
Concen: 1.377 ng/ul m
RT: 26.34 min Scan# 7942
Delta R.T. -0.03 min
Lab File: BM021936.D
Acq: 08 Aug 2019 16:53

Tgt Ion:276 Resp: 25723

Ion	Ratio	Lower	Upper
276	100		
138	18.5	15.5	23.3
277	25.5	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
BENT9

Manual Integrations APPROVED
mohammad
8/9/2019 6:13:06 AM