

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
 Data File : BM021868.D
 Acq On : 06 Aug 2019 21:07
 Operator : HP/JU
 Sample : K3922-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A52F0

Manual Integrations
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mohammad
 8/7/2019 12:12:10 PM

Quant Time: Aug 07 04:14:24 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	1063	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4290	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2039	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4371m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4332m	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	4592m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1034	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2604m	0.18	ng/ul	-0.02
Target Compounds				Ovalue		
7) Acenaphthylene	14.00	152	1568	0.165	ng/ul#	82
8) Acenaphthene	14.34	153	868	0.112	ng/ul	98
9) Fluorene	15.34	166	1351	0.156	ng/ul	97
12) Phenanthrene	17.08	178	53885m	4.237	ng/ul	
13) Anthracene	17.17	178	4278m	0.394	ng/ul	
15) Fluoranthene	19.10	202	152483m	8.950	ng/ul	
17) Pyrene	19.46	202	123536	6.940	ng/ul	99
18) Benzo(a)anthracene	21.22	228	52775	3.406	ng/ul	99
19) Chrysene	21.27	228	76679	3.848	ng/ul	100
21) Benzo(b)fluoranthene	22.79	252	108417m	7.001	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	36237m	2.068	ng/ul	
23) Benzo(a)pyrene	23.35	252	63624m	4.040	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	54237m	2.885	ng/ul	
25) Dibenzo(a,h)anthracene	25.67	278	12352m	0.813	ng/ul	
26) Benzo(g,h,i)perylene	26.34	276	53914m	3.185	ng/ul	

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

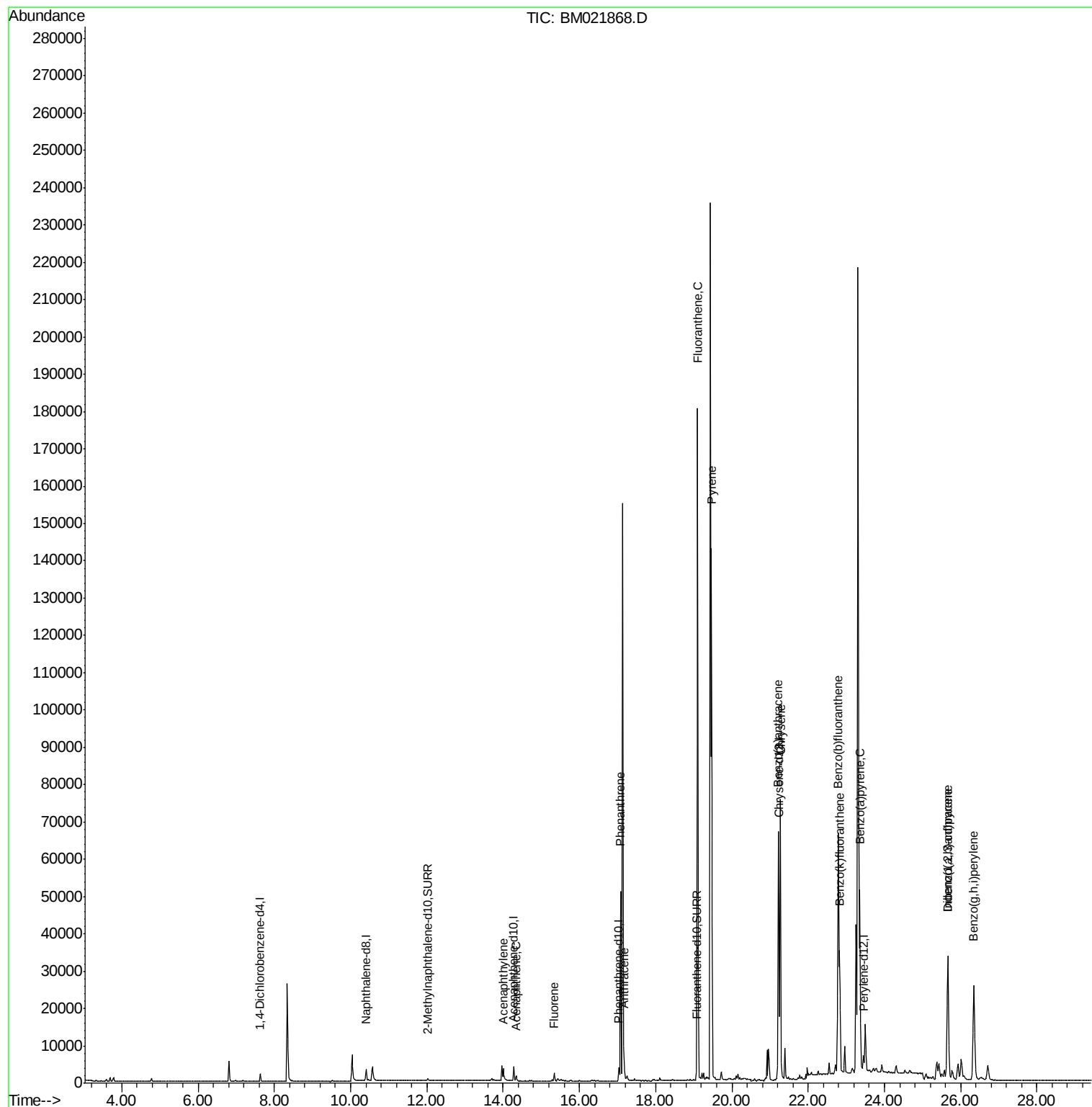
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080619\
Data File : BM021868.D
Acq On : 06 Aug 2019 21:07
Operator : HP/JU
Sample : K3922-01
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ALS Vial : 8 Sample Multiplier: 1

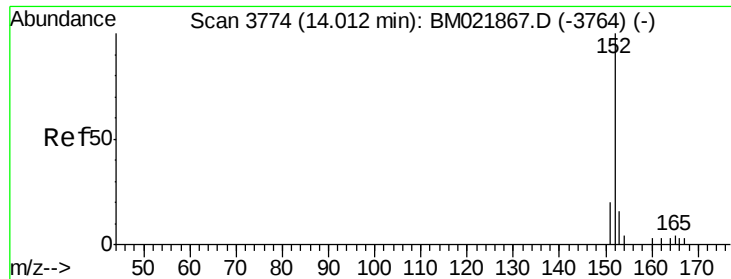
Instrument :
BNA_M
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Quant Time: Aug 07 04:14:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 04:02:33 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.165 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

Instrument :

BNA_M

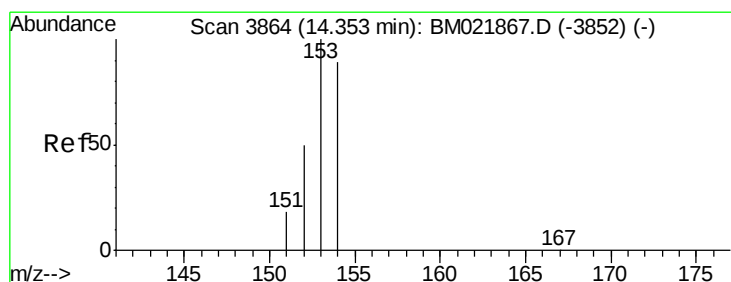
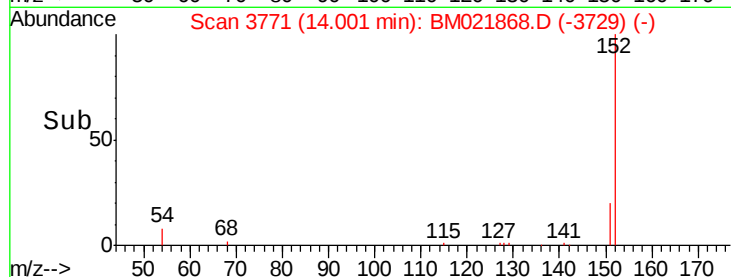
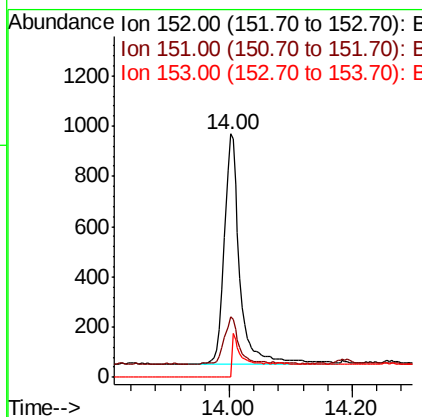
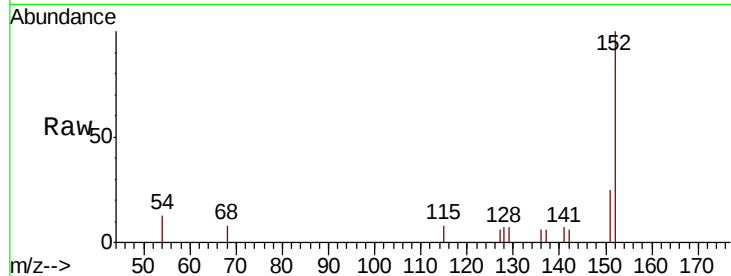
ClientSampleId :

A52F0

Tot Ion:	152	Resp:	1568
Ion Ratio	Lower	Upper	
152	100		
151	24.7	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.112 ng/ul

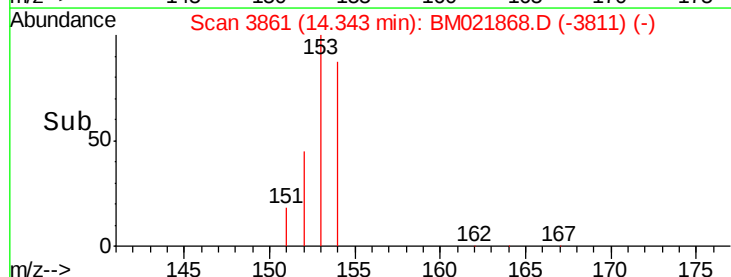
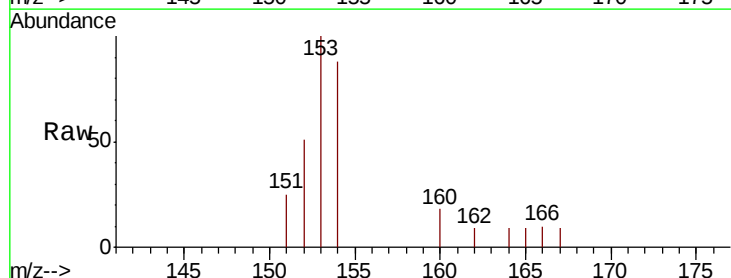
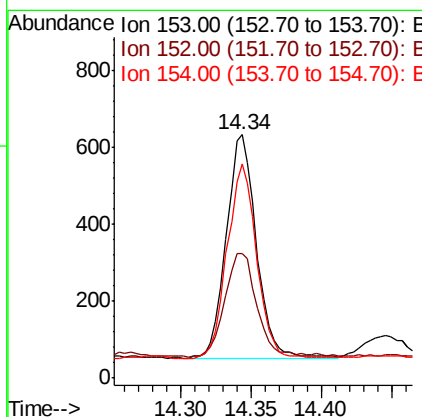
RT: 14.34 min Scan# 3861

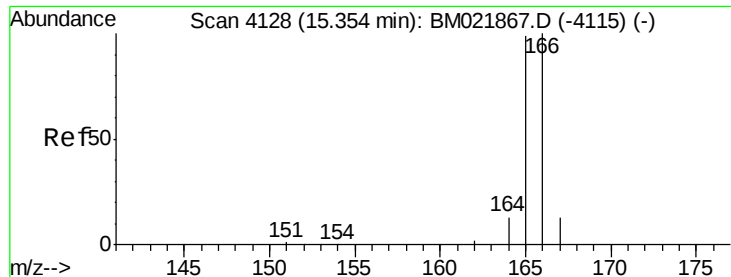
Delta R.T. -0.01 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

Tgt Ion:	153	Resp:	868
Ion Ratio	Lower	Upper	
153	100		
152	51.4	41.3	61.9
154	88.0	72.3	108.5





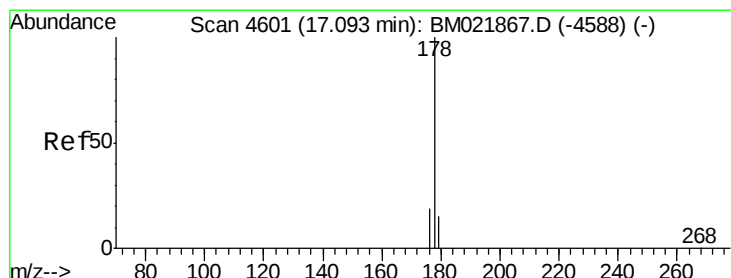
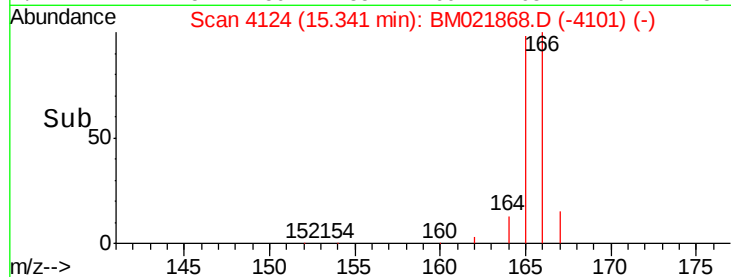
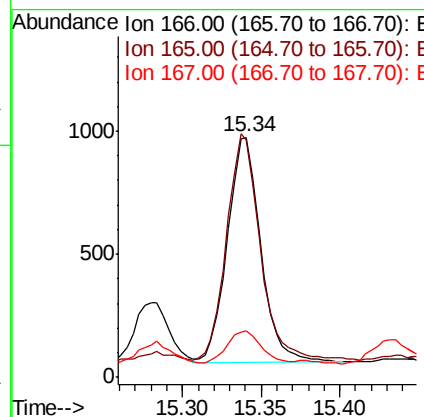
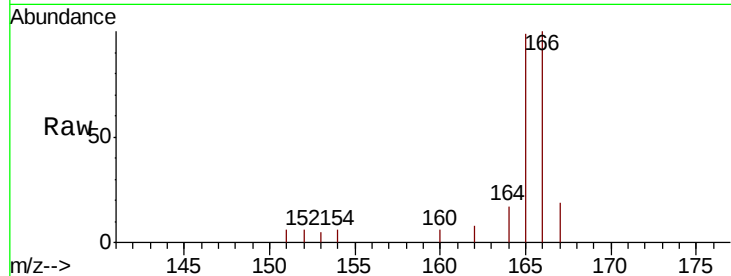
#9
Fluorene
 Concen: 0.156 ng/ul
 RT: 15.34 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BM021868.D
 Acq: 06 Aug 2019 21:07

Instrument :
 BNA_M
 ClientSampleId :
 A52F0

Tot Ion:	166	Resp:	1351
Ion Ratio	Lower	Upper	
166	100		
165	99.0	81.4	122.0
167	19.3	13.7	20.5

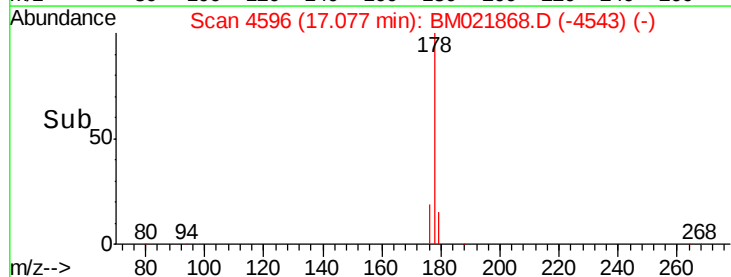
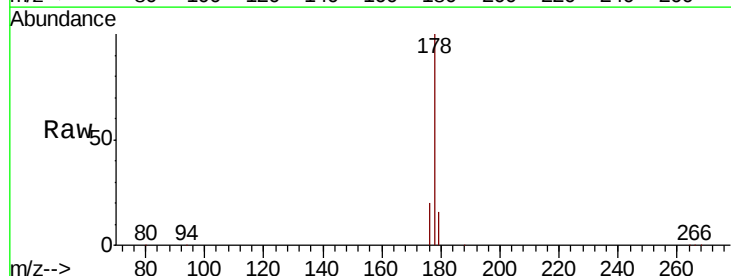
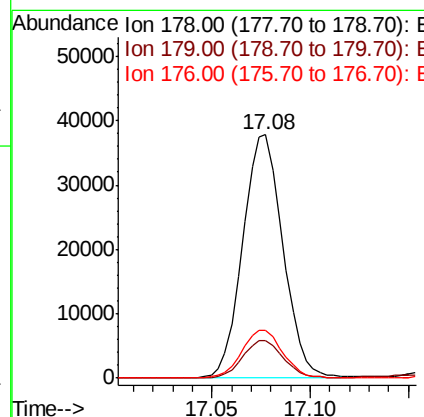
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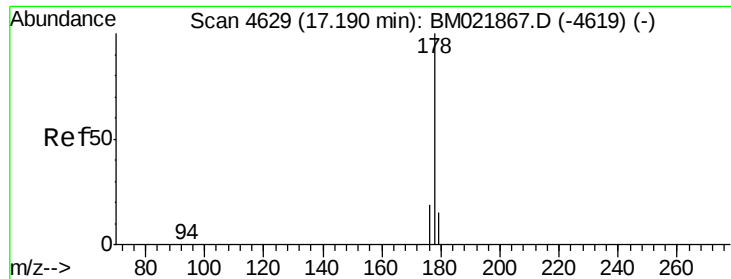
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#12
Phenanthrene
 Concen: 4.237 ng/ul m
 RT: 17.08 min Scan# 4596
 Delta R.T. -0.02 min
 Lab File: BM021868.D
 Acq: 06 Aug 2019 21:07

Tgt Ion:	178	Resp:	53885
Ion Ratio	Lower	Upper	
178	100		
179	15.5	14.2	21.2
176	19.5	16.8	25.2





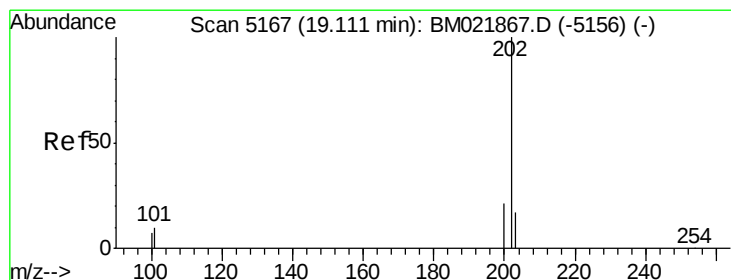
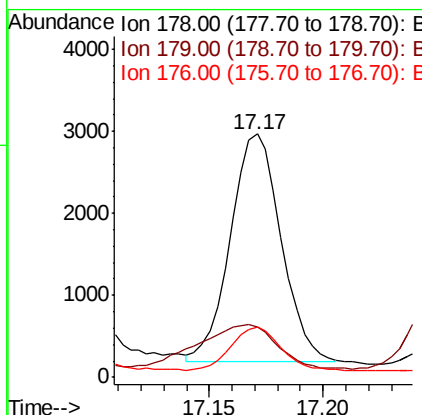
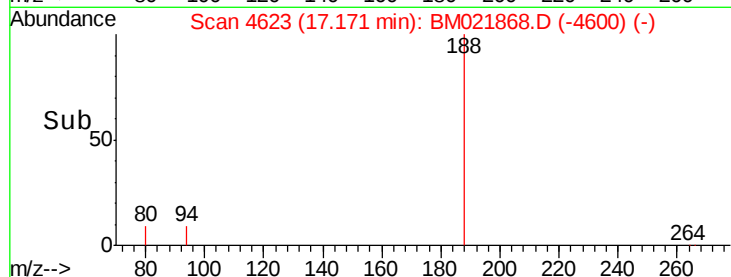
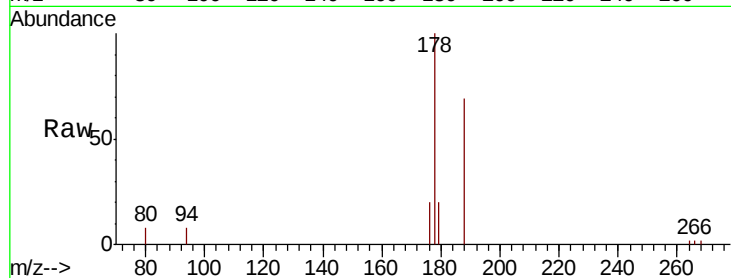
#13
 Anthracene
 Concen: 0.394 ng/ul m
 RT: 17.17 min Scan# 4623
 Delta R.T. -0.02 min
 Lab File: BM021868.D
 Acq: 06 Aug 2019 21:07

Instrument :
 BNA_M
 ClientSampleId :
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Tot Ion:178	Resp:	4278
Ion Ratio	Lower	Upper
178	100	
179	20.4	15.5 23.3
176	20.4	16.6 25.0

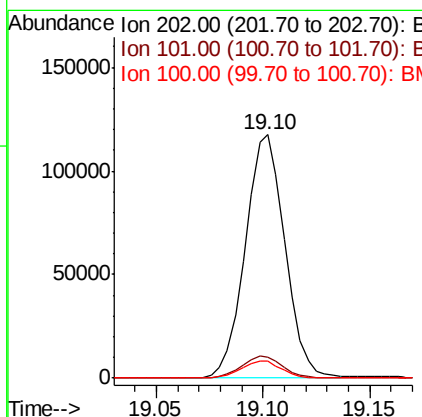
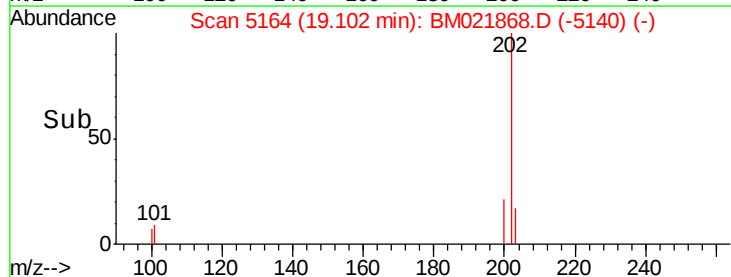
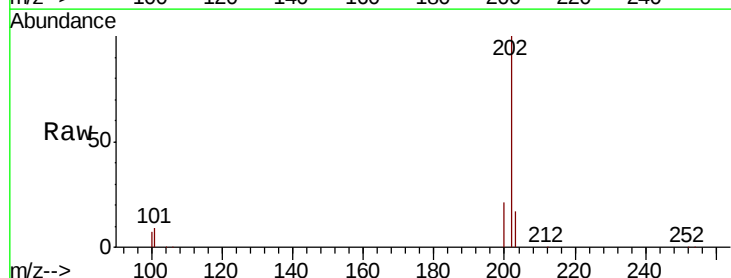
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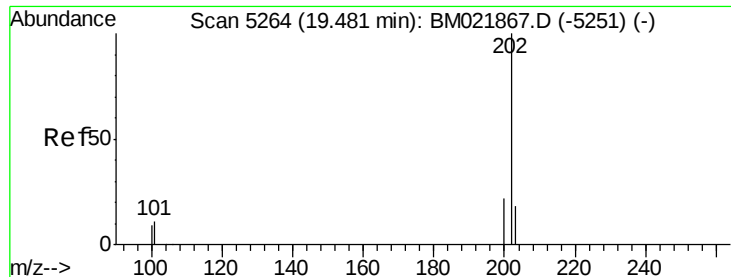
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#15
 Fluoranthene
 Concen: 8.950 ng/ul m
 RT: 19.10 min Scan# 5164
 Delta R.T. -0.01 min
 Lab File: BM021868.D
 Acq: 06 Aug 2019 21:07

Tgt Ion:202	Resp:	152483
Ion Ratio	Lower	Upper
202	100	
101	8.7	0.0 30.2
100	6.8	0.0 28.1





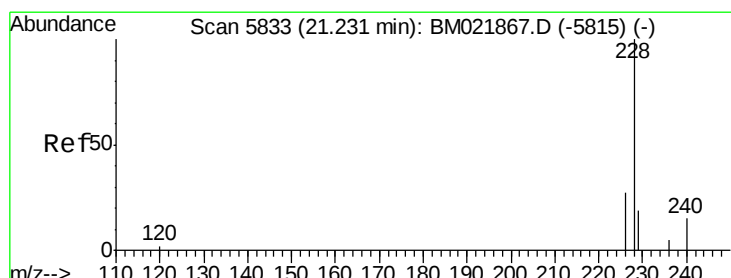
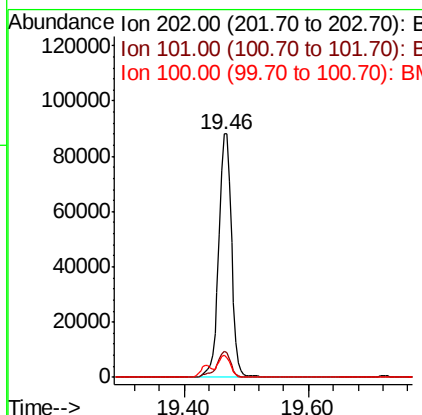
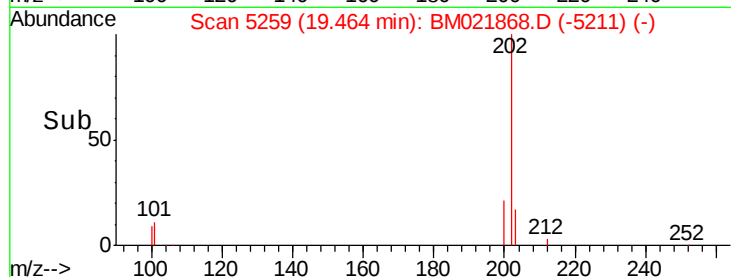
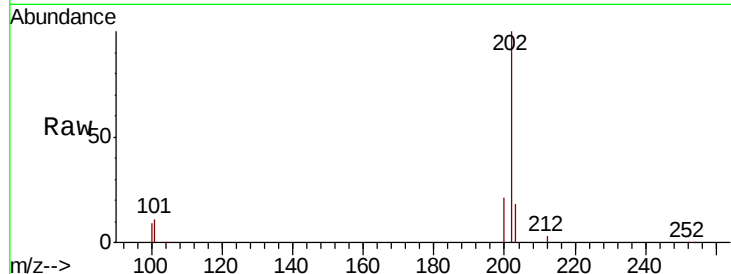
#17
Pvrene
Concen: 6.940 ng/u1
RT: 19.46 min Scan# 5259
Delta R.T. -0.02 min
Lab File: BM021868.D
Acq: 06 Aug 2019 21:07

Instrument :
BNA_M
ClientSampleId :
A52F0

Tot Ion	Ratio	Resp	Lower	Upper
202	100	123536		
101	10.9	8.3	12.5	
100	9.3	7.2	10.8	

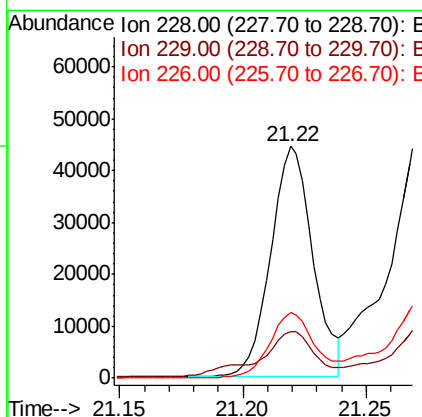
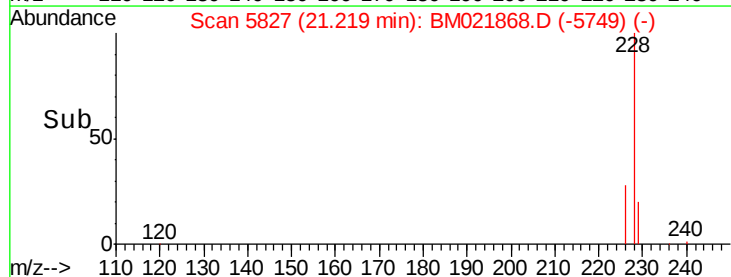
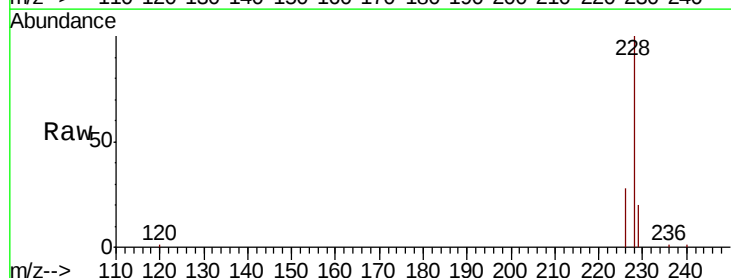
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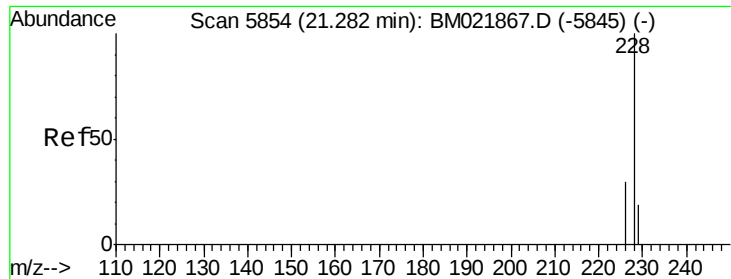
mohammad
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#18
Benzo(a)anthracene
Concen: 3.406 ng/u1
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021868.D
Acq: 06 Aug 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	52775		
229	20.3	17.2	25.8	
226	28.2	22.6	34.0	





#19

Chrysene

Concen: 3.848 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

Instrument :

BNA_M

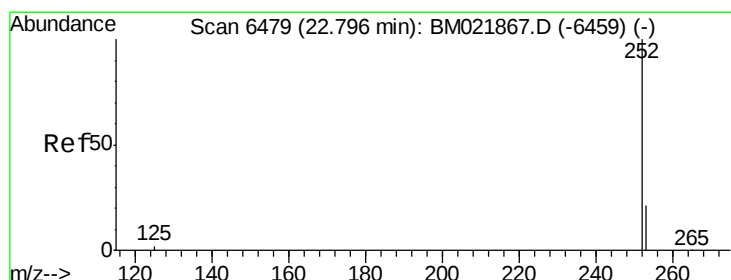
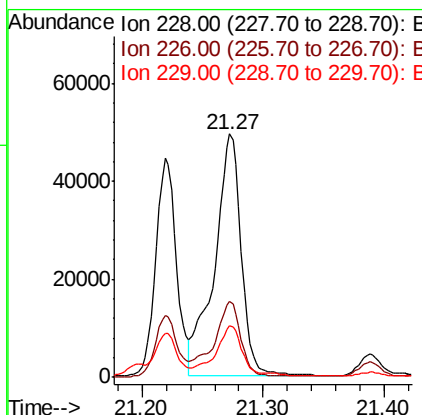
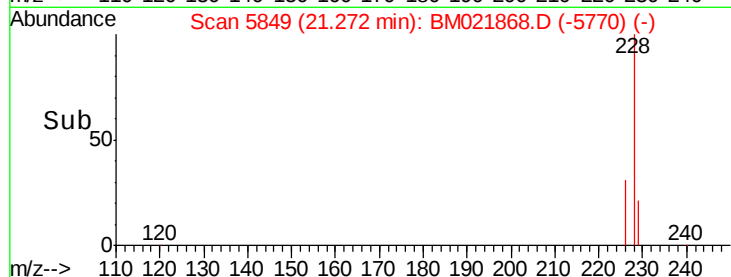
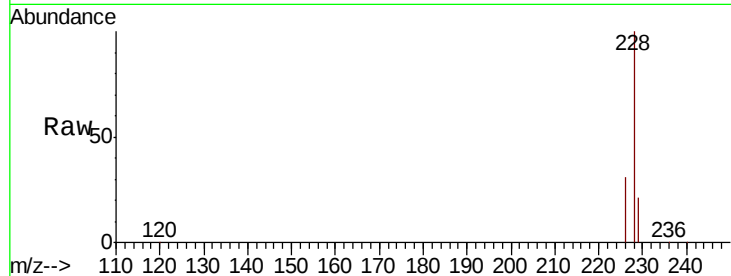
ClientSampleId :

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Tot Ion:	228	Resp:	76679
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	21.1	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 7.001 ng/ul m

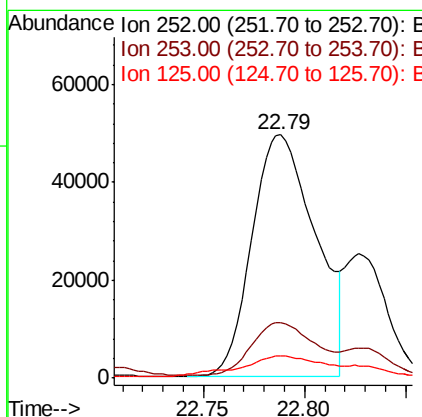
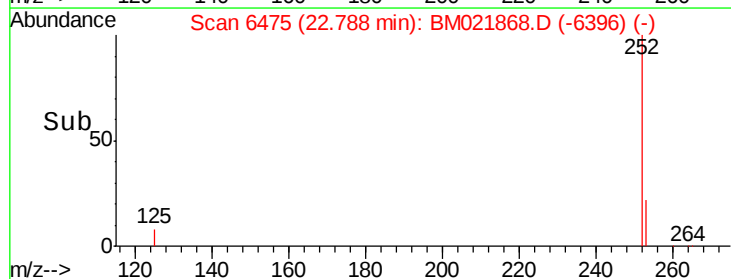
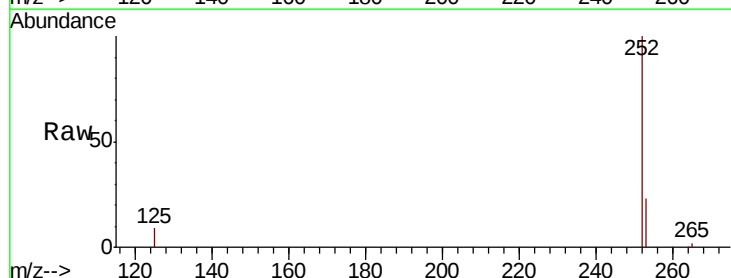
RT: 22.79 min Scan# 6475

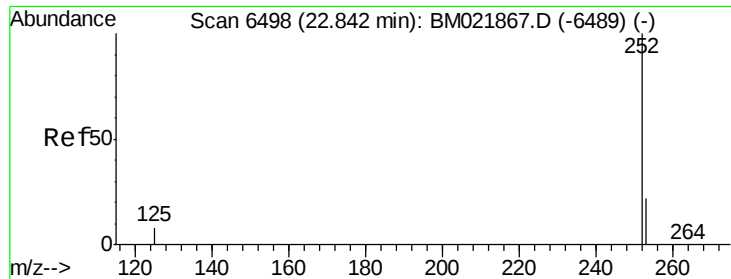
Delta R.T. -0.01 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

Tgt Ion:	252	Resp:	108417
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	67.4
125	8.9	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 2.068 ng/ul m

RT: 22.83 min Scan# 6491

Delta R.T. -0.01 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

Instrument :

BNA_M

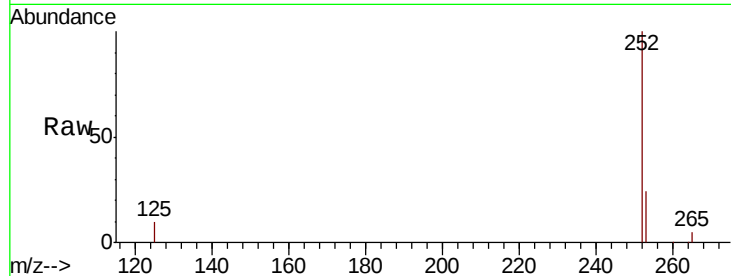
ClientSampleId :

A52F0

Tot Ion	Ratio	Resp	Lower	Upper
252	100	36237		
253	24.1	27.0	40.4#	
125	10.1	12.2	18.2#	

Manual Integrations
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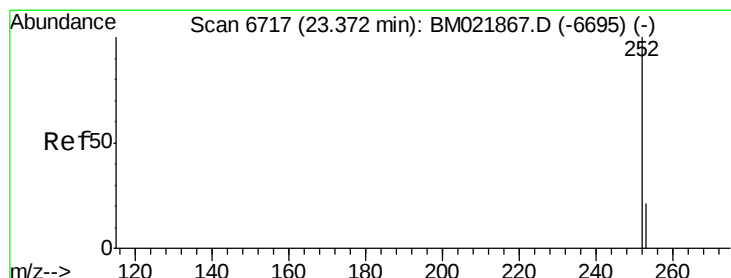
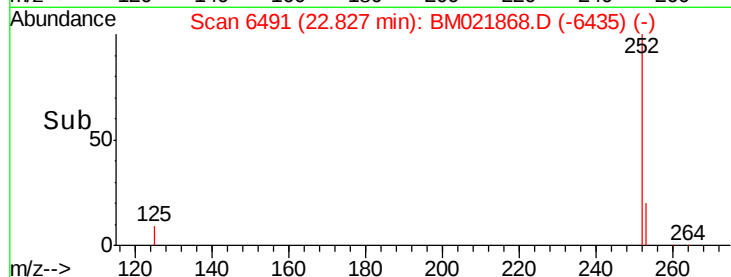
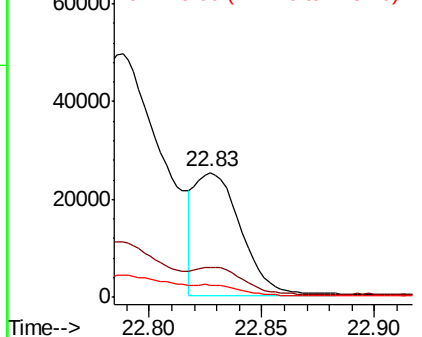


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 4.040 ng/ul m

RT: 23.35 min Scan# 6708

Delta R.T. -0.02 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

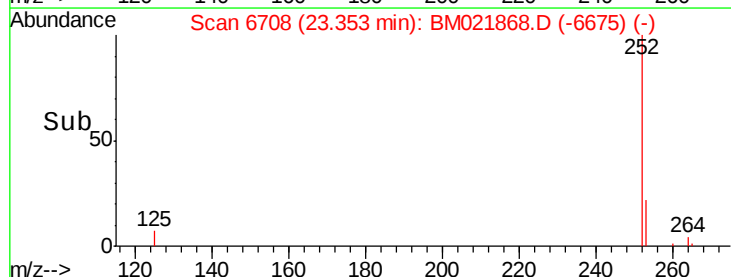
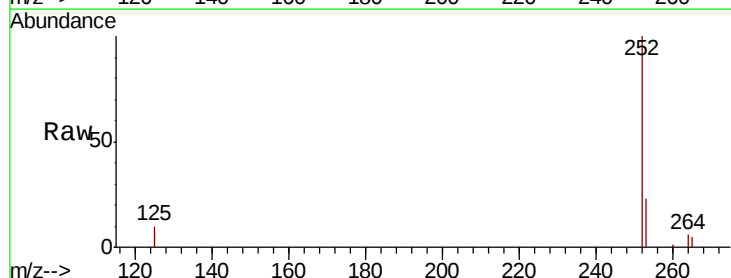
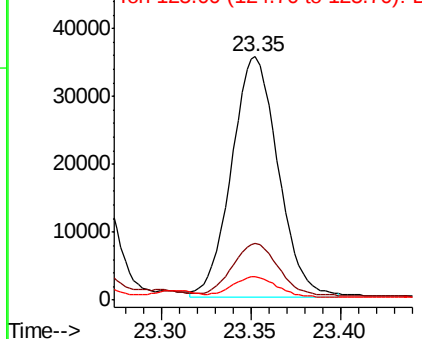
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	63624		
253	23.3	31.7	47.5#	
125	9.6	14.6	21.8#	

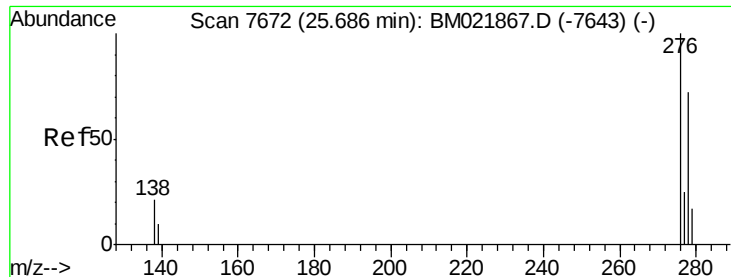
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





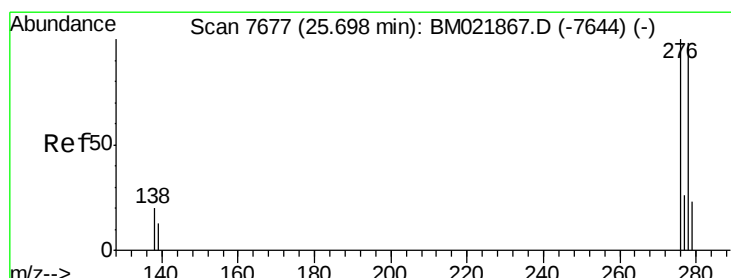
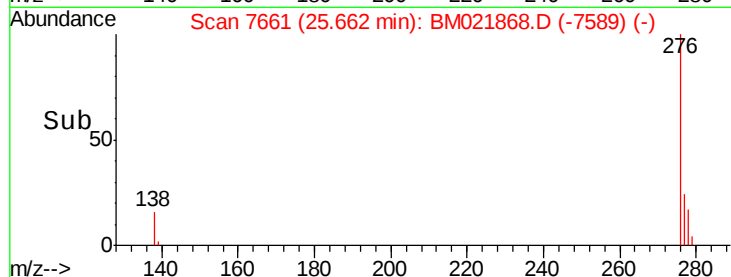
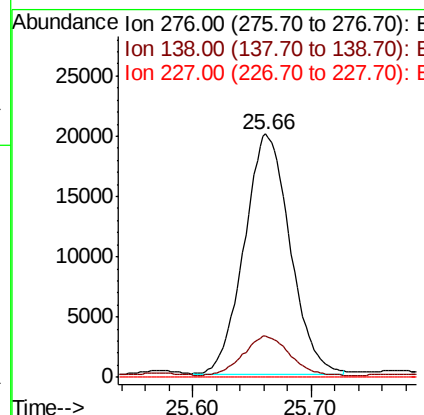
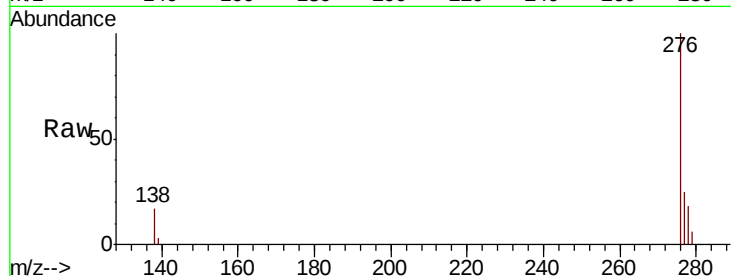
#24
Indeno(1,2,3-cd)pyrene
Concen: 2.885 ng/ul m
RT: 25.66 min Scan# 7661
Delta R.T. -0.02 min
Lab File: BM021868.D
Acq: 06 Aug 2019 21:07

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
276	100		
138	1.3	15.1	22.7#
227	0.0	0.0	0.0

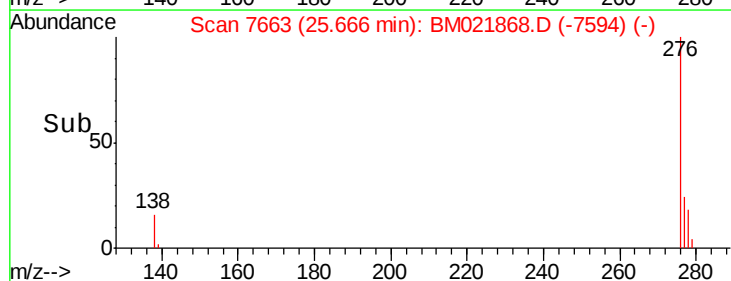
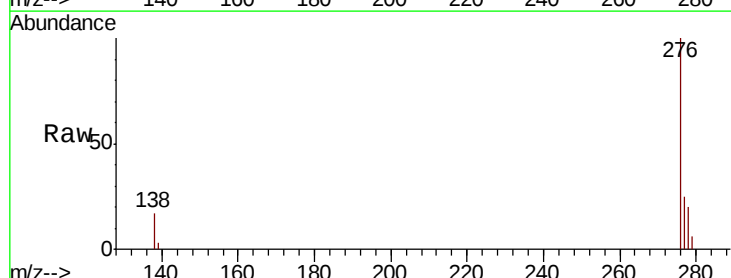
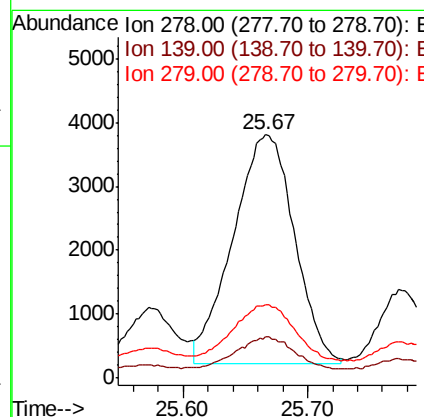
Manual Integrations
APPROVED

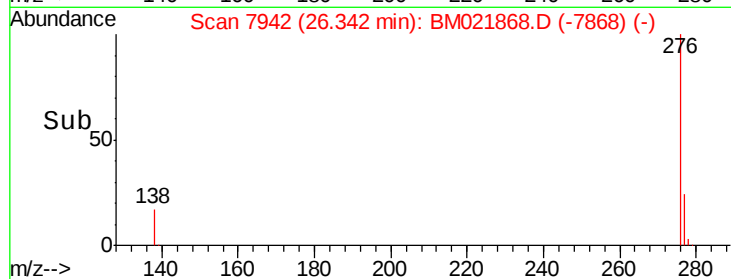
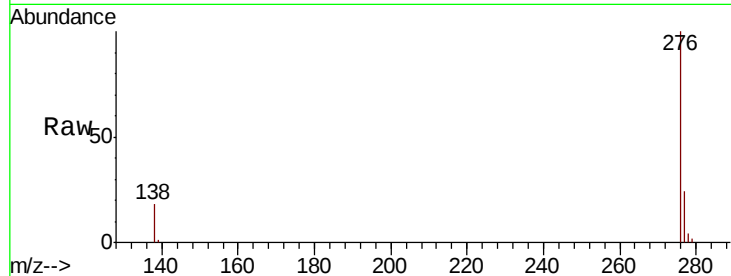
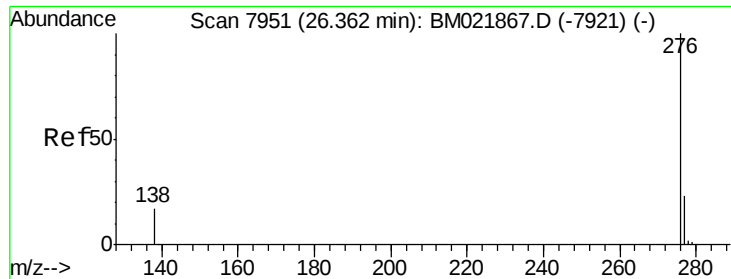
mohammad
8/7/2019 12:12:10 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.813 ng/ul m
RT: 25.67 min Scan# 7663
Delta R.T. -0.03 min
Lab File: BM021868.D
Acq: 06 Aug 2019 21:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.2	21.2
279	30.2	28.3	42.5





#26

Benzo(a,h,i)perylene

Concen: 3.185 ng/ul m

RT: 26.34 min Scan# 7942

Delta R.T. -0.02 min

Lab File: BM021868.D

Acq: 06 Aug 2019 21:07

Instrument :

BNA_M

ClientSampleId :

A52F0

Tot Ion:	276	Resp:	53914
Ion Ratio	Lower	Upper	
276	100		
138	17.7	15.5	23.3
277	24.3	21.4	32.2

Manual Integrations
APPROVED

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8/7/2019 12:12:10 PM

