

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021825.D
 Acq On : 04 Aug 2019 23:54
 Operator : HP/JU
 Sample : K3863-14
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A52F4

Manual Integrations
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mohammad
 8/5/2019 10:16:24 PM

Quant Time: Aug 05 08:30:21 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 05 08:19:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1011	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4280	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2399	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	5806m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	6025m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6961m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1425	0.20	ng/ul	-0.03
14) Fluoranthene-d10	19.07	212	5250m	0.27	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	562	0.046	ng/ul#	69
5) 2-Methylnaphthalene	12.09	142	261	0.032	ng/ul	95
7) Acenaphthylene	14.01	152	3980	0.356	ng/ul	99
8) Acenaphthene	14.35	153	5794	0.633	ng/ul	97
9) Fluorene	15.34	166	9149	0.900	ng/ul	98
12) Phenanthrene	17.08	178	220442m	13.049	ng/ul	
13) Anthracene	17.17	178	32095m	2.227	ng/ul	
15) Fluoranthene	19.10	202	461366m	20.387	ng/ul	
17) Pyrene	19.47	202	355412	14.355	ng/ul	98
18) Benzo(a)anthracene	21.22	228	175468m	8.142	ng/ul	
19) Chrysene	21.27	228	207120m	7.473	ng/ul	
21) Benzo(b)fluoranthene	22.79	252	263804m	11.238	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	101853m	3.834	ng/ul	
23) Benzo(a)pyrene	23.36	252	174383m	7.305	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.67	276	132054m	4.633	ng/ul	
25) Dibenzo(a,h)anthracene	25.68	278	32755m	1.422	ng/ul	
26) Benzo(g,h,i)perylene	26.36	276	128579m	5.011	ng/ul	

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

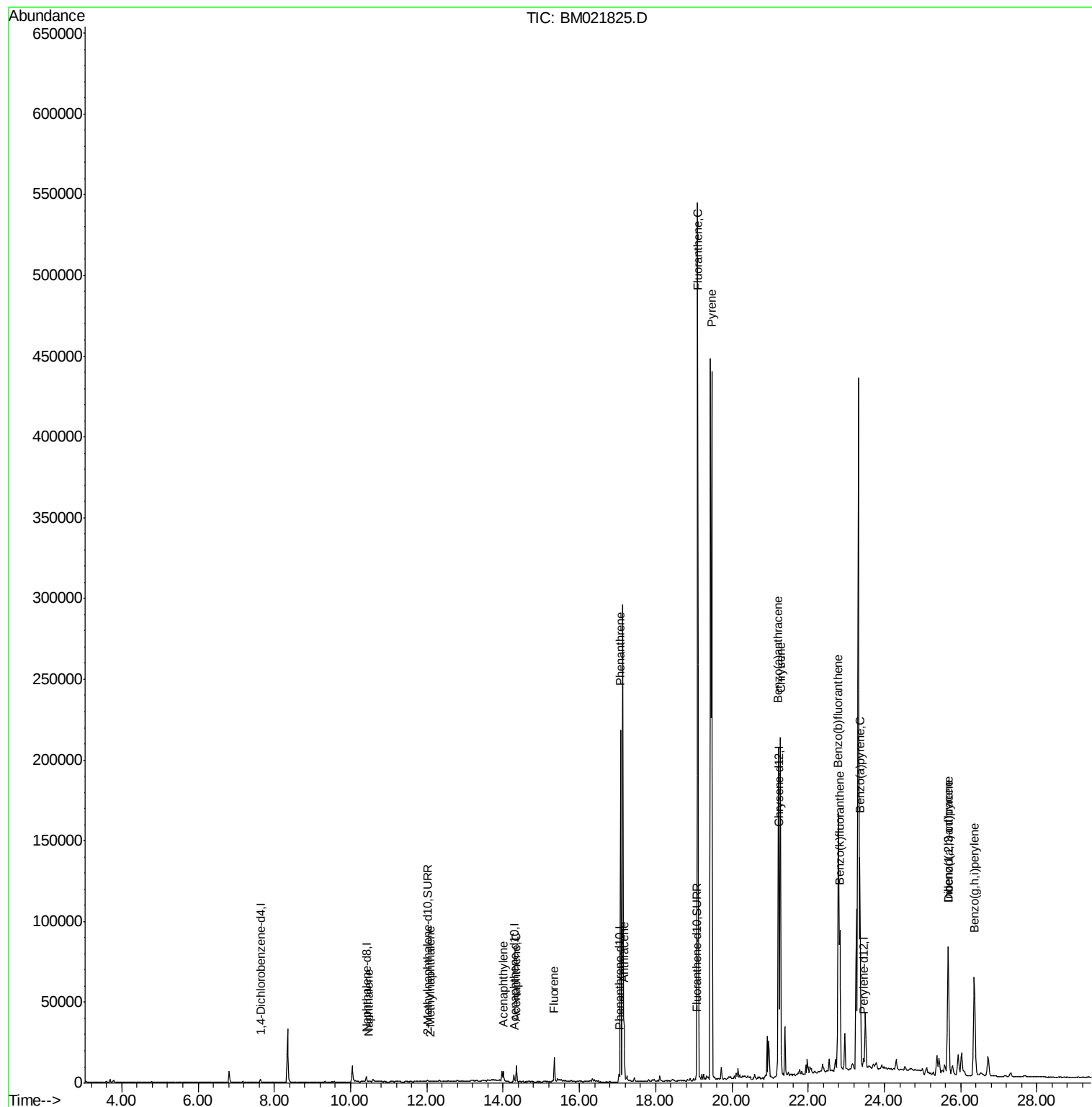
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
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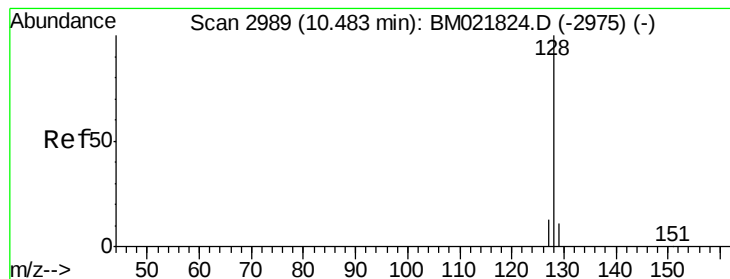
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#3

Naphthalene

Concen: 0.046 ng/u1

RT: 10.46 min Scan# 2984

Delta R.T. -0.02 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

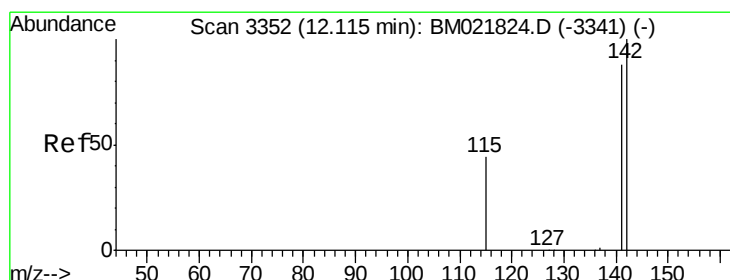
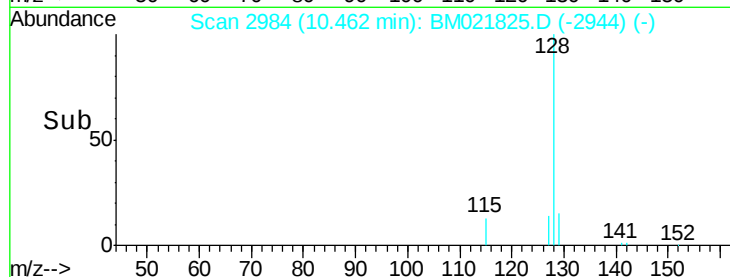
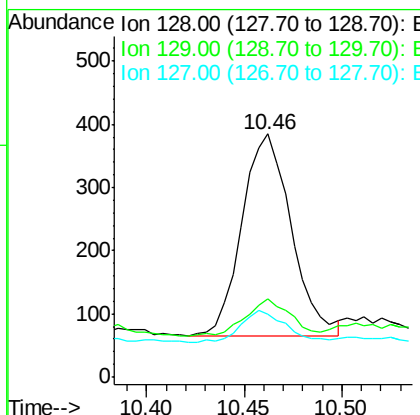
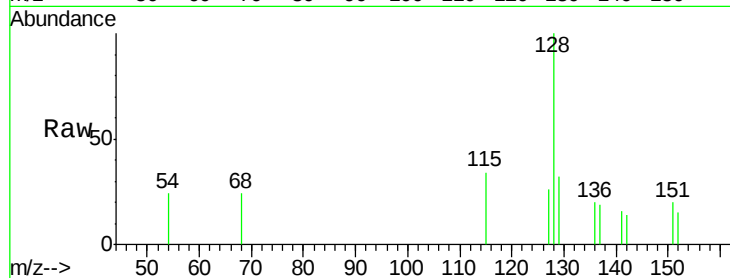
ClientSampled :

A52F4

Tgt Ion:	128	Resp:	562
Ion Ratio	Lower	Upper	
128	100		
129	31.9	12.3	18.5#
127	25.7	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.032 ng/u1

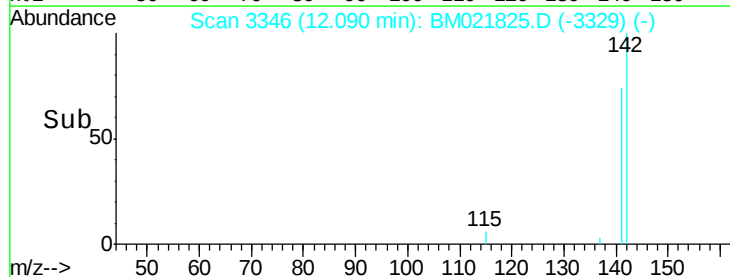
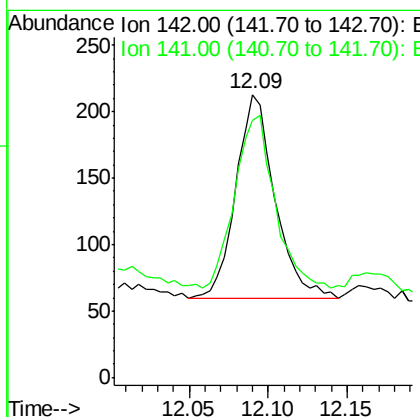
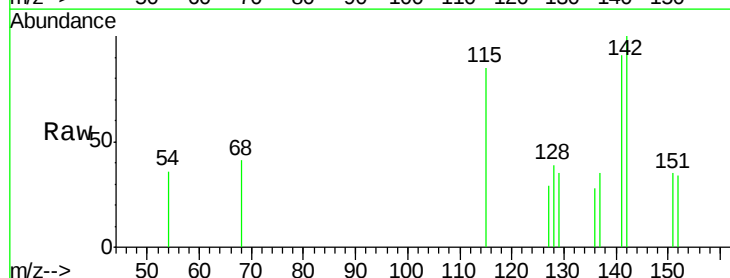
RT: 12.09 min Scan# 3346

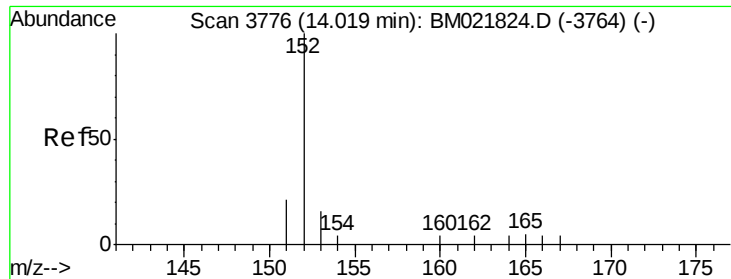
Delta R.T. -0.03 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Tgt Ion:	142	Resp:	261
Ion Ratio	Lower	Upper	
142	100		
141	88.1	74.3	111.5





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

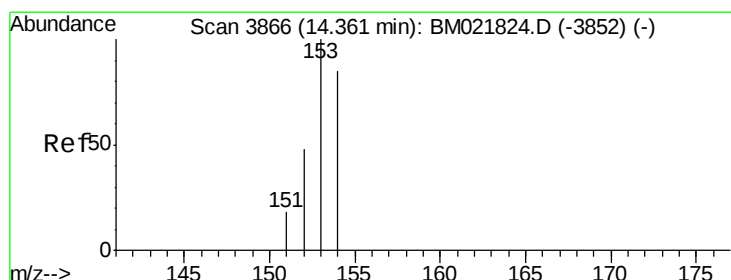
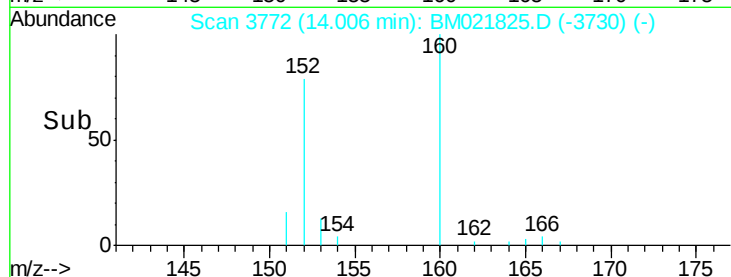
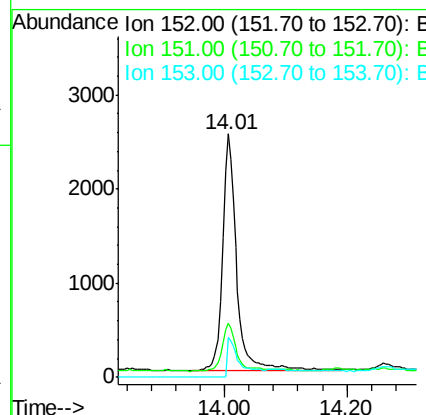
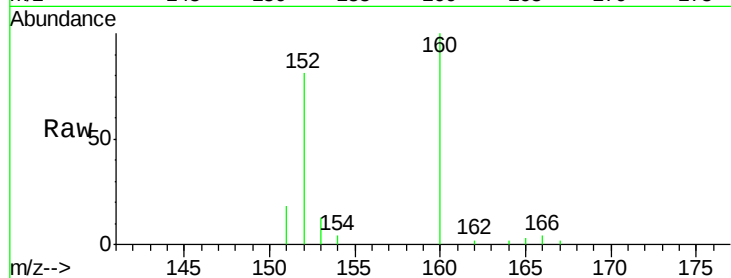
ClientSampleId :

A52F4

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.4	18.3	27.5
153	16.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.633 ng/ul

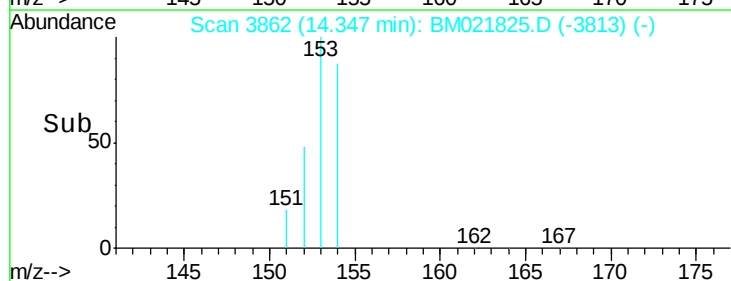
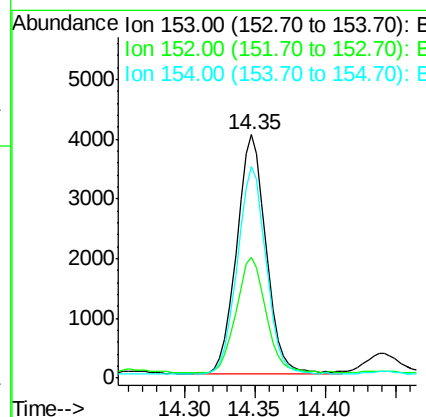
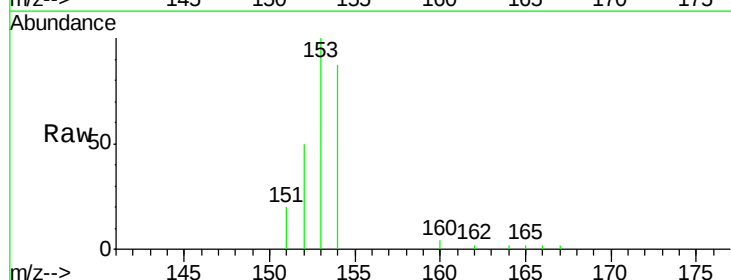
RT: 14.35 min Scan# 3862

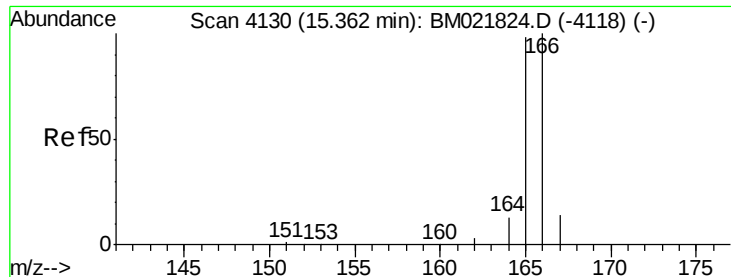
Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.8	41.3	61.9
154	87.0	72.3	108.5





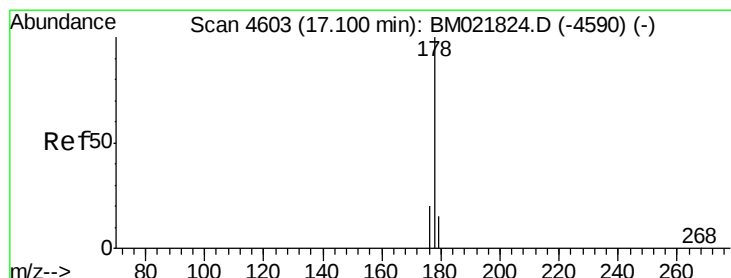
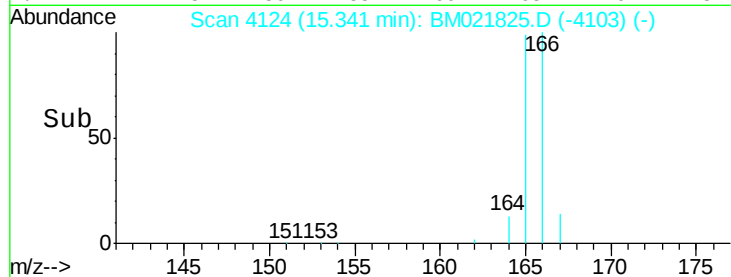
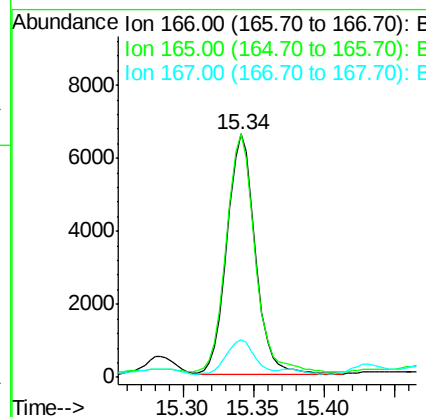
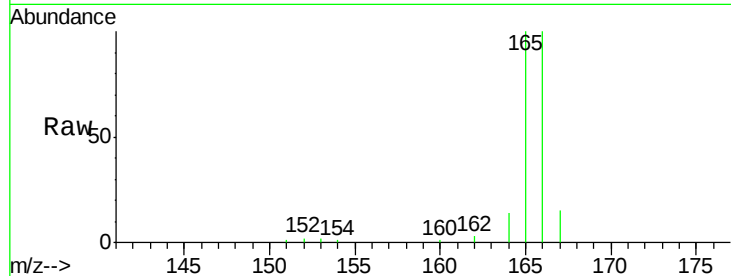
#9
Fluorene
 Concen: 0.900 ng/ul
 RT: 15.34 min Scan# 4124
 Delta R.T. -0.02 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Instrument :
 BNA_M
 ClientSampleId :
 A52F4

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	81.4	122.0
167	15.4	13.7	20.5

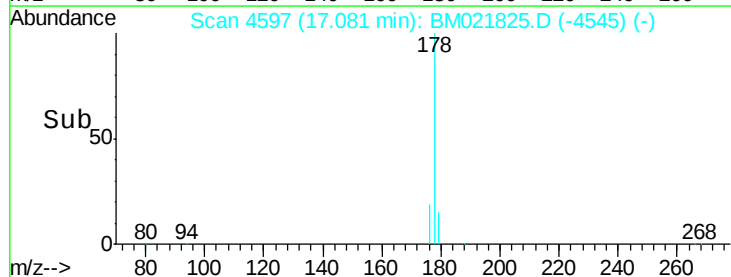
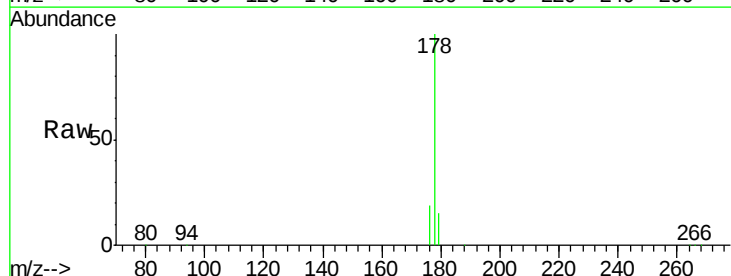
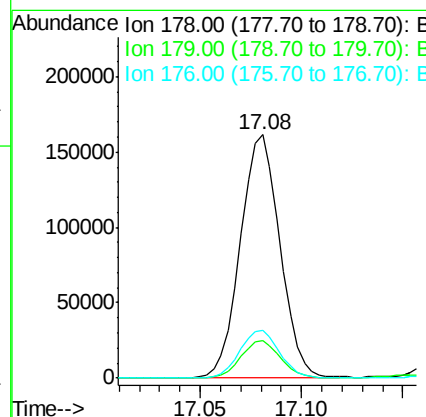
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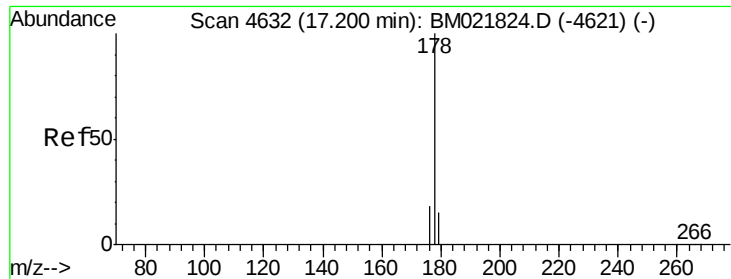
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#12
Phenanthrene
 Concen: 13.049 ng/ul m
 RT: 17.08 min Scan# 4597
 Delta R.T. -0.02 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	14.2	21.2
176	19.4	16.8	25.2





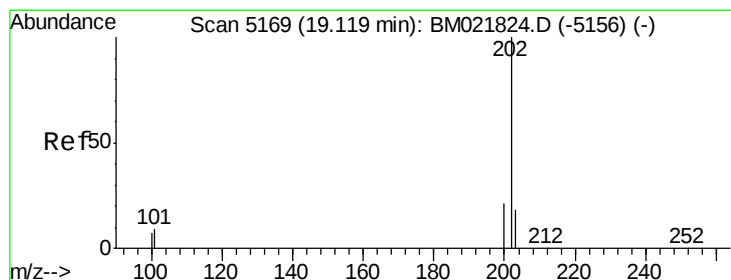
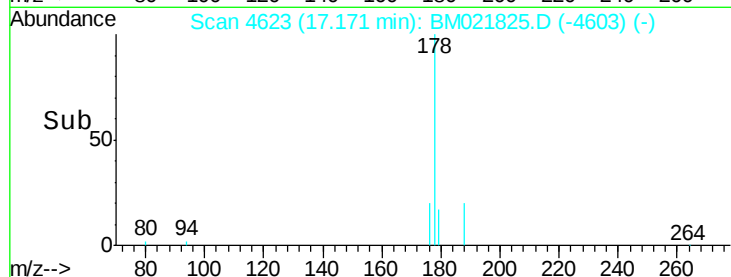
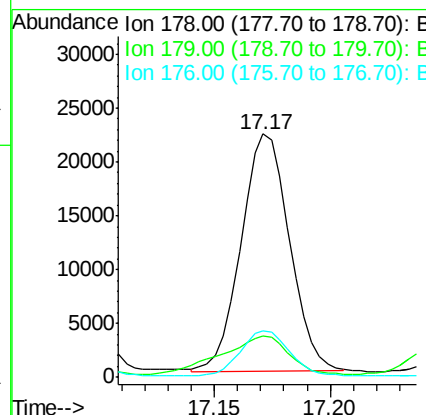
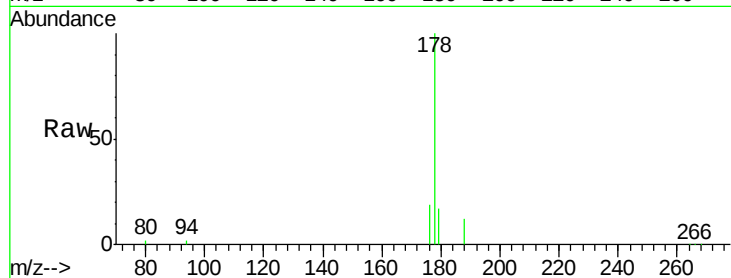
#13
 Anthracene
 Concen: 2.227 ng/ul m
 RT: 17.17 min Scan# 4623
 Delta R.T. -0.03 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Instrument :
 BNA_M
 ClientSampleId :
 A52F4

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	15.5	23.3
176	19.3	16.6	25.0

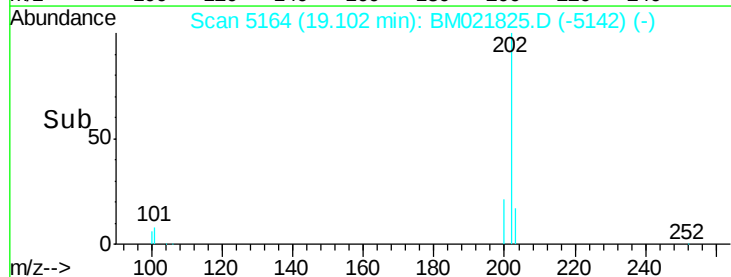
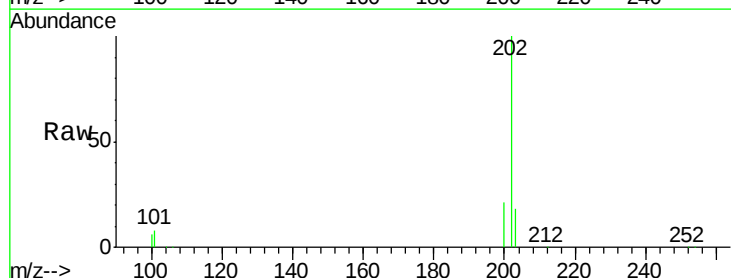
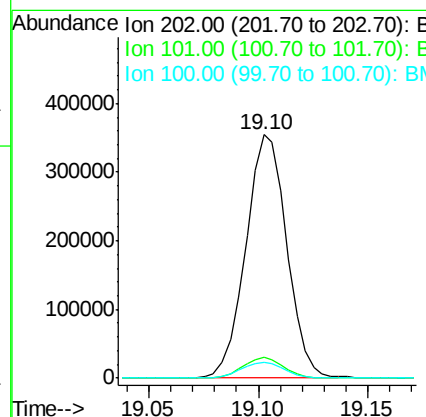
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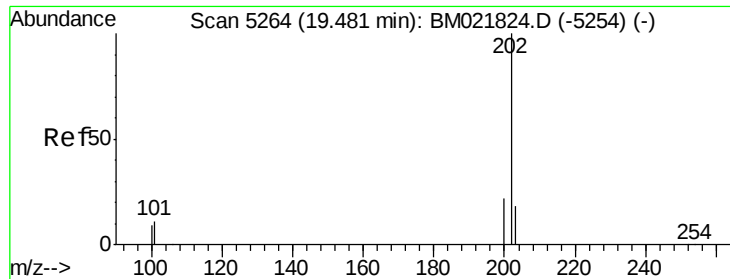
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#15
 Fluoranthene
 Concen: 20.387 ng/ul m
 RT: 19.10 min Scan# 5164
 Delta R.T. -0.02 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	30.2
100	6.5	0.0	28.1





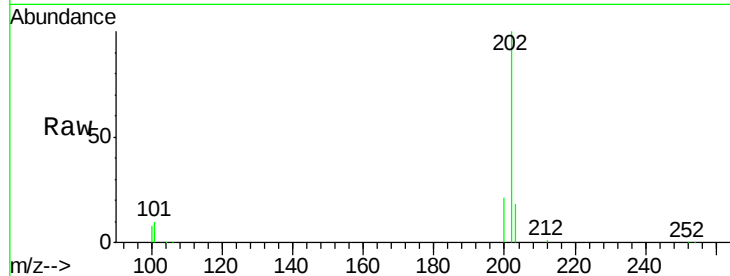
#17
Pyrene
 Concen: 14.355 ng/ul
 RT: 19.47 min Scan# 5260
 Delta R.T. -0.01 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Instrument :
 BNA_M
 ClientSampleId :
 A52F4

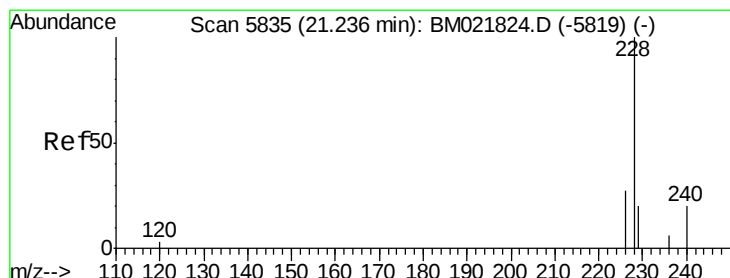
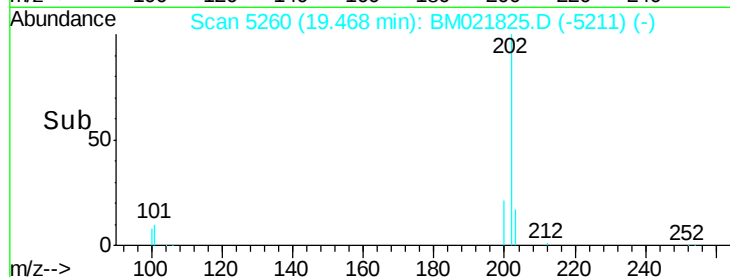
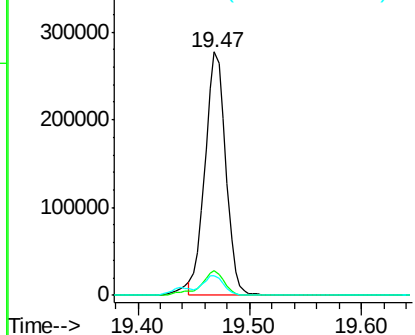
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.9	8.3	12.5
100	8.2	7.2	10.8

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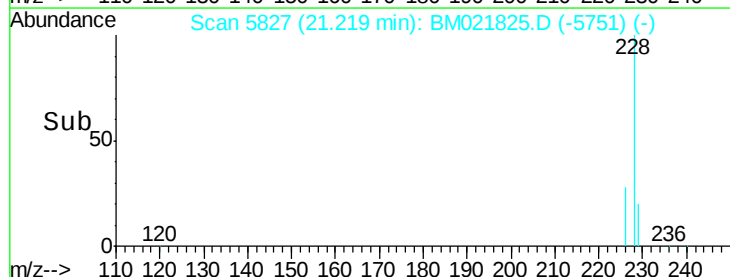
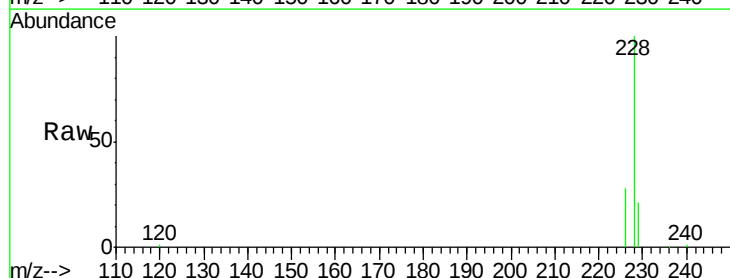
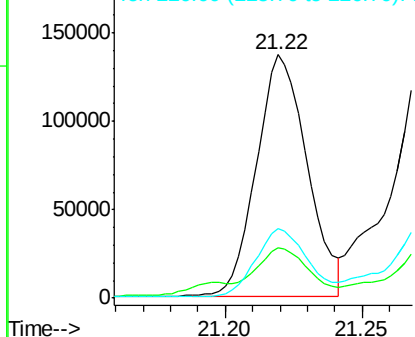
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

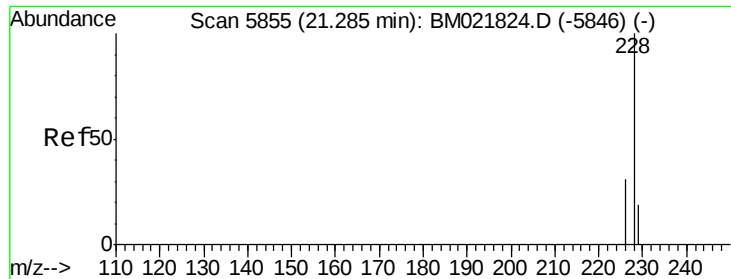


#18
Benzo(a)anthracene
 Concen: 8.142 ng/ul m
 RT: 21.22 min Scan# 5827
 Delta R.T. -0.02 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.7	17.2	25.8
226	28.4	22.6	34.0

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 7.473 ng/ul m

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

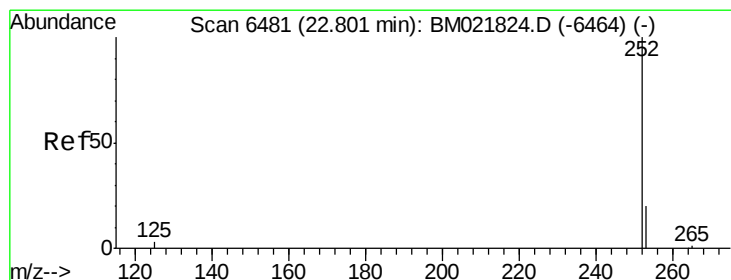
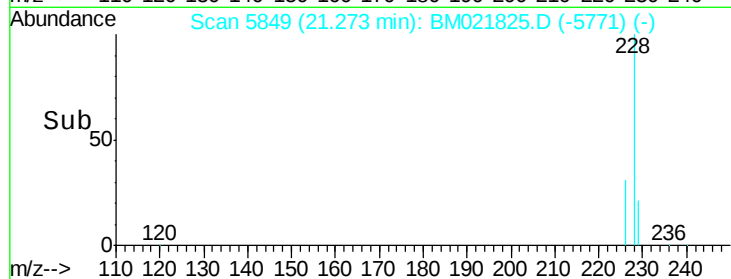
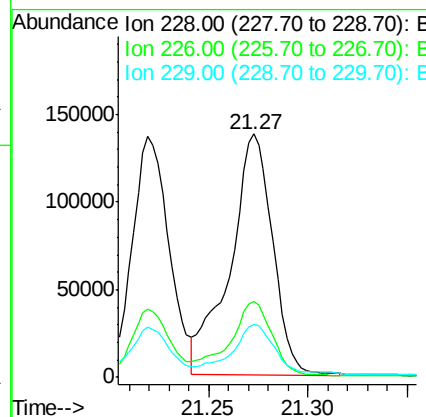
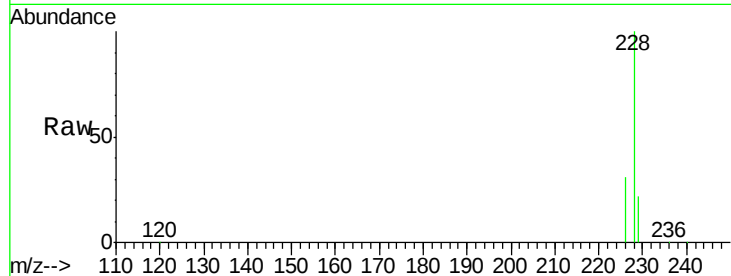
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Tgt Ion:	228	Resp:	207120
Ion Ratio		Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.7	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 11.238 ng/ul m

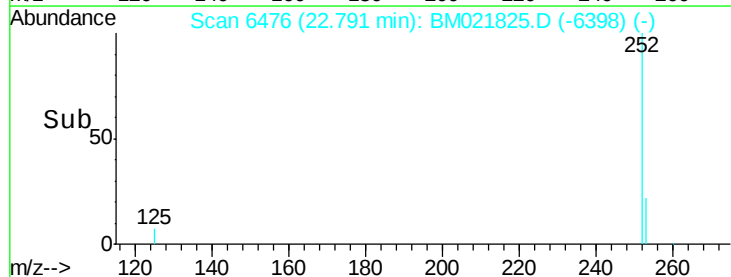
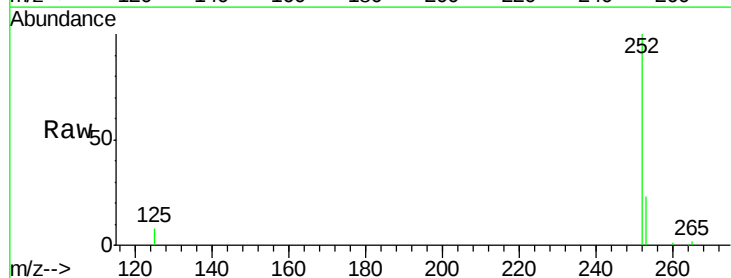
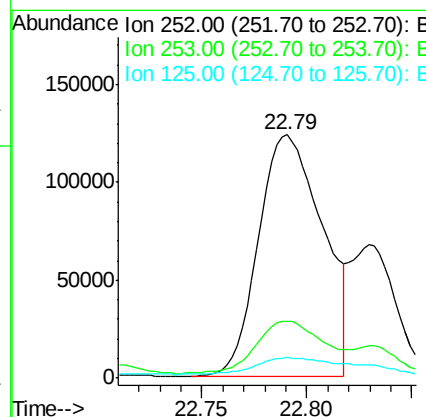
RT: 22.79 min Scan# 6476

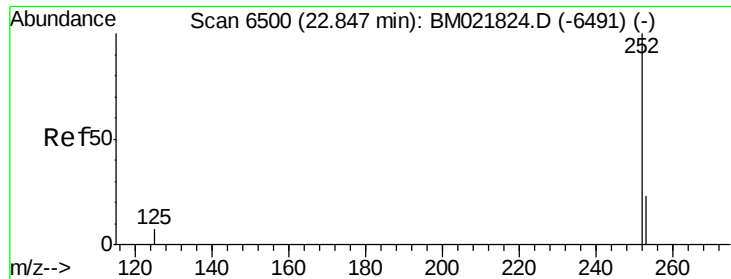
Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Tgt Ion:	252	Resp:	263804
Ion Ratio		Lower	Upper
252	100		
253	23.5	0.0	67.4
125	8.4	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 3.834 ng/ul m

RT: 22.83 min Scan# 6492

Delta R.T. -0.02 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

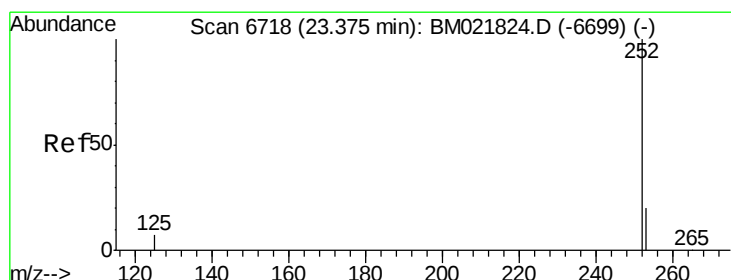
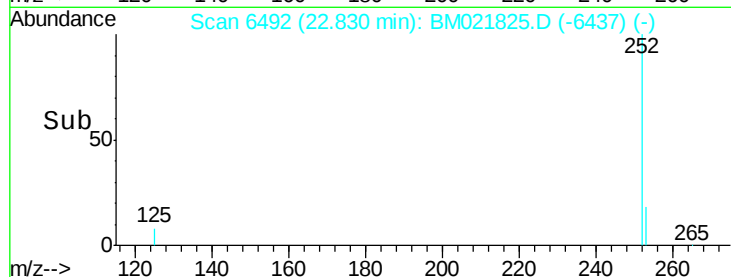
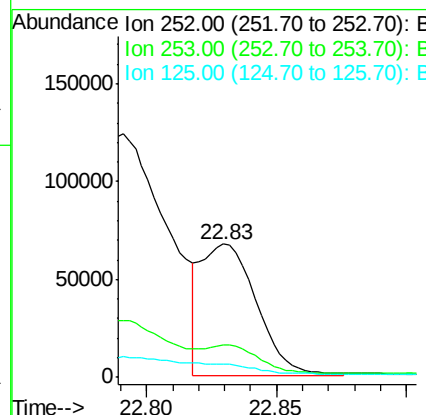
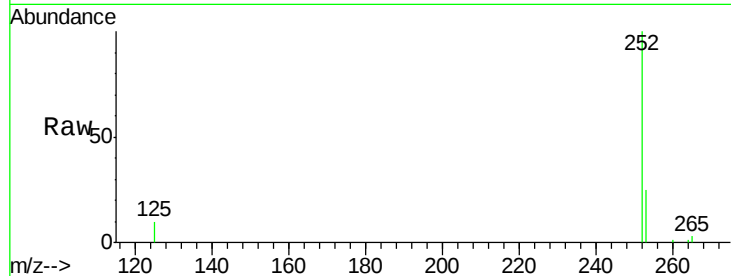
ClientSampleId :

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Tgt Ion:	252	Resp:	101853
Ion Ratio	Lower	Upper	
252	100		
253	24.5	27.0	40.4#
125	10.1	12.2	18.2#

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#23

Benzo(a)pyrene

Concen: 7.305 ng/ul m

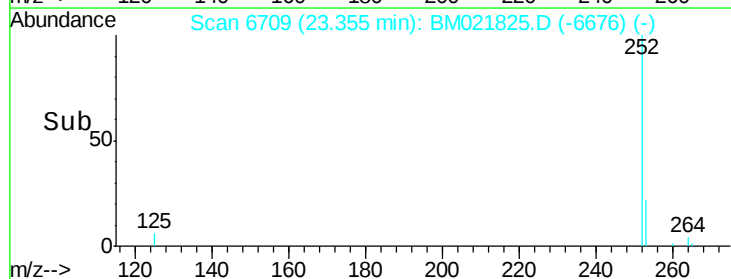
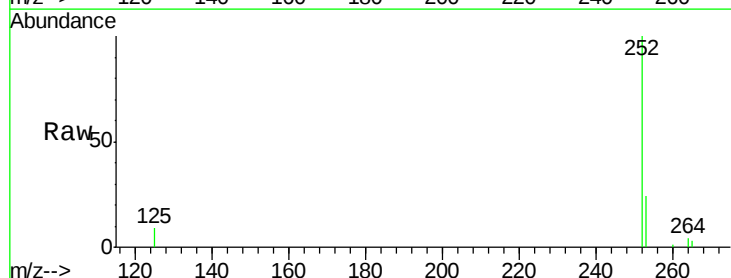
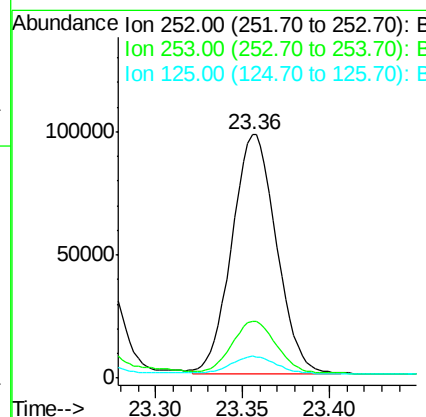
RT: 23.36 min Scan# 6709

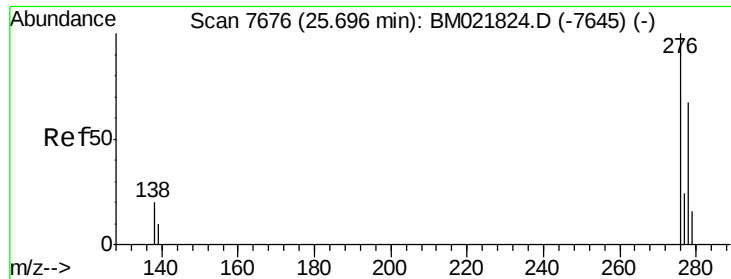
Delta R.T. -0.02 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Tgt Ion:	252	Resp:	174383
Ion Ratio	Lower	Upper	
252	100		
253	23.5	31.7	47.5#
125	9.0	14.6	21.8#





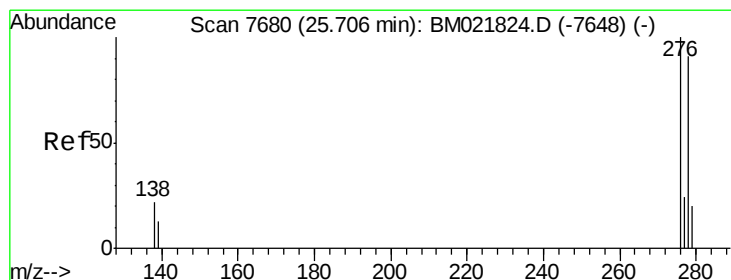
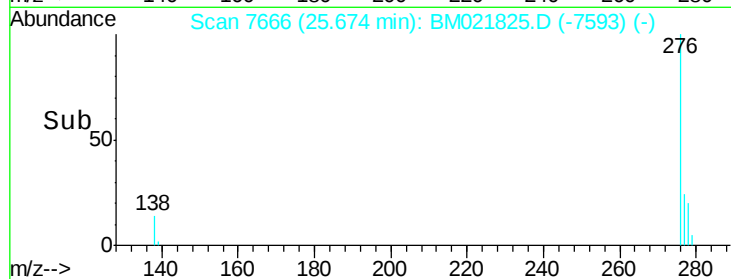
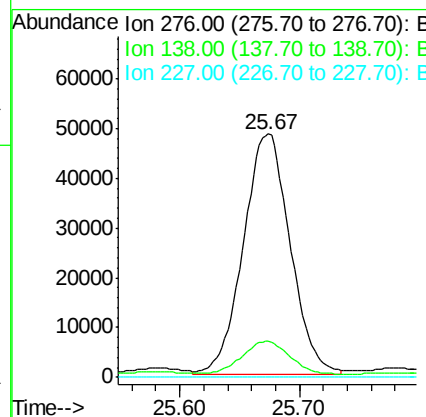
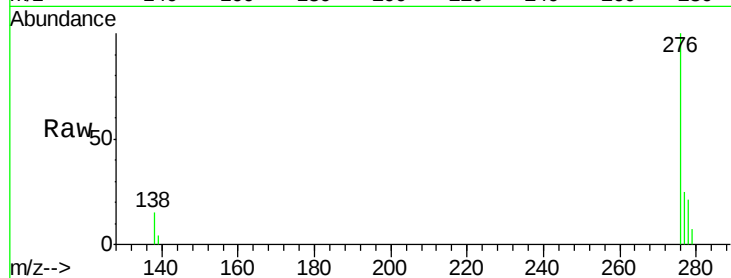
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.633 ng/ul m
 RT: 25.67 min Scan# 7666
 Delta R.T. -0.02 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Instrument :
 BNA_M
 ClientSampleId :
 A52F4

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	132054		
138	2.0	15.1	22.7#	
227	0.0	0.0	0.0	

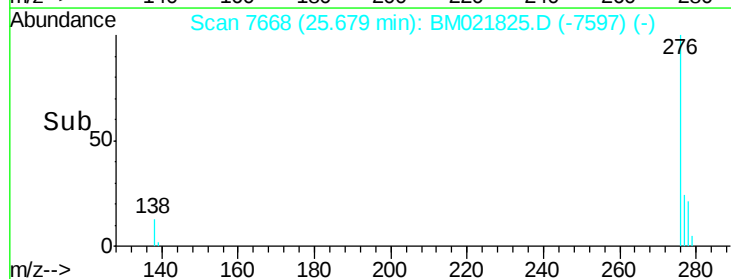
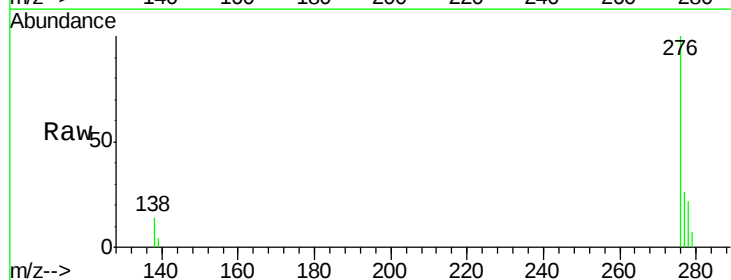
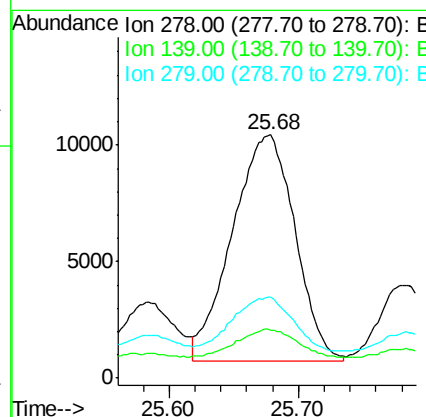
Manual Integrations
 APPROVED

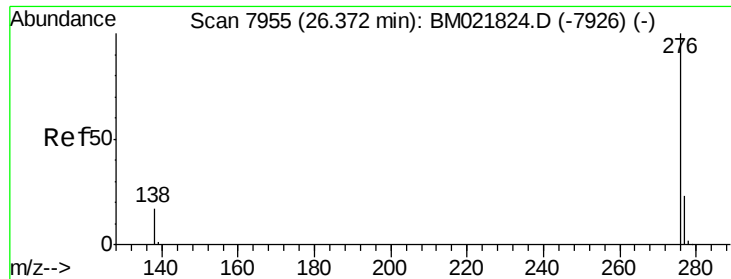
mohammad
 8/5/2019 10:16:24 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.422 ng/ul m
 RT: 25.68 min Scan# 7668
 Delta R.T. -0.03 min
 Lab File: BM021825.D
 Acq: 04 Aug 2019 23:54

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	32755		
139	19.7	14.2	21.2	
279	33.0	28.3	42.5	





#26
Benzo(g,h,i)perylene
Concen: 5.011 ng/ul m
RT: 26.36 min Scan# 7948
Delta R.T. -0.01 min
Lab File: BM021825.D
Acq: 04 Aug 2019 23:54

Instrument :
BNA_M
ClientSampleId :
A52F4

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.1	15.5	23.3#
277	25.3	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/5/2019 10:16:24 PM

