

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021821.D
 Acq On : 04 Aug 2019 20:15
 Operator : HP/JU
 Sample : K3850-16DL 5X
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENR8DL

Manual Integrations
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mohammad
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Quant Time: Aug 05 08:10:31 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 06:57:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	958	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3786	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	2121	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	4835	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4875	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	7266	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	229	0.04	ng/ul	0.01
14) Fluoranthene-d10	19.08	212	710	0.04	ng/ul	0.00
Target Compounds				Qvalue		
7) Acenaphthylene	14.01	152	253	0.026	ng/ul#	50
8) Acenaphthene	14.35	153	279	0.034	ng/ul#	94
9) Fluorene	15.35	166	264	0.029	ng/ul#	93
12) Phenanthrene	17.08	178	5014	0.356	ng/ul	99
13) Anthracene	17.18	178	1149	0.096	ng/ul#	88
15) Fluoranthene	19.11	202	8607	0.457	ng/ul	98
17) Pyrene	19.47	202	10110	0.505	ng/ul	98
18) Benzo(a)anthracene	21.23	228	5425	0.311	ng/ul	96
19) Chrysene	21.28	228	5308	0.237	ng/ul	97
21) Benzo(b)fluoranthene	22.79	252	5946m	0.243	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	2200m	0.079	ng/ul	
23) Benzo(a)pyrene	23.36	252	4651	0.187	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.68	276	2702	0.091	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.68	278	702	0.029	ng/ul#	19
26) Benzo(g,h,i)perylene	26.36	276	2783	0.104	ng/ul#	87

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

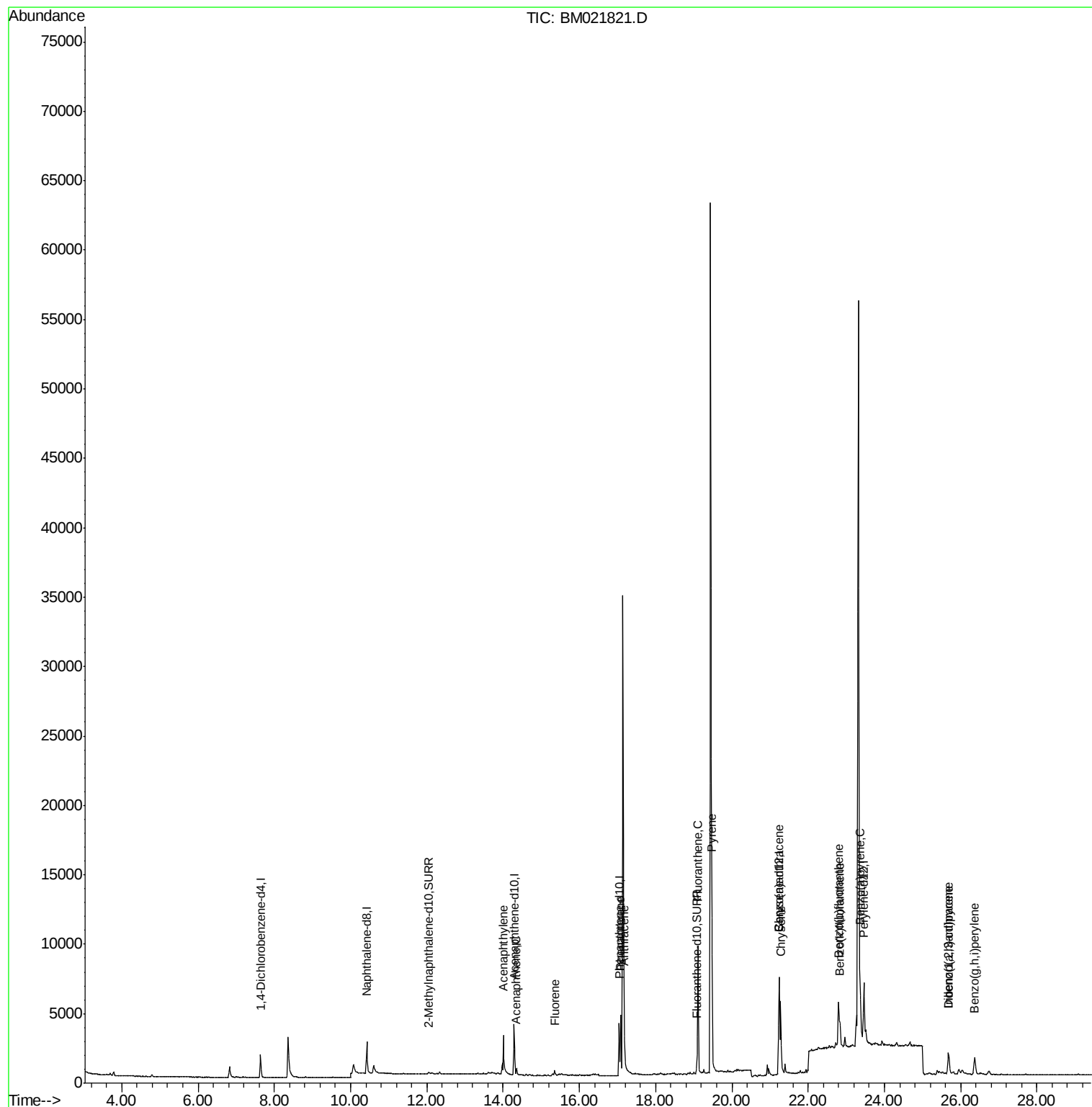
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
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ALS Vial : 64 Sample Multiplier: 1

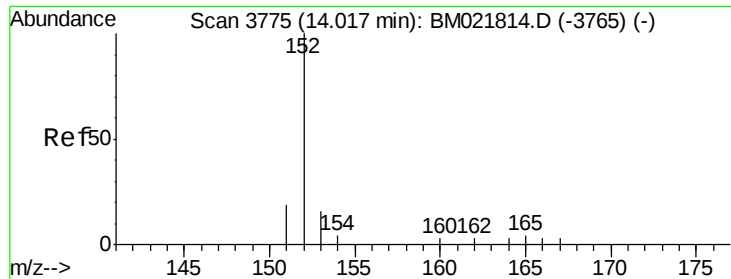
Instrument :
BNA_M
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BENR8DL

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Quant Time: Aug 05 08:10:31 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 06:57:04 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.026 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.00 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

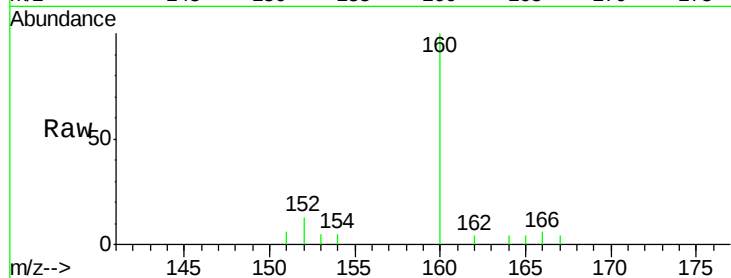
ClientSampleID :

BENR8DL

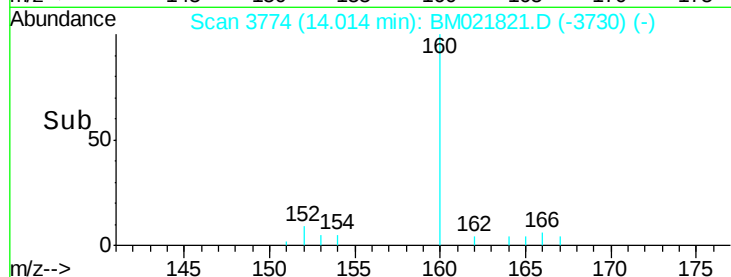
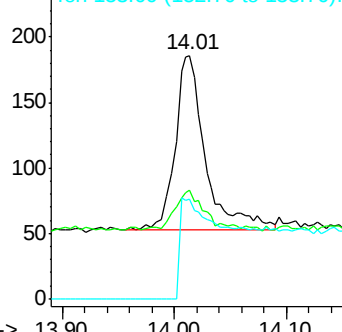
Tgt Ion	Ratio	Lower	Upper
152	100		
151	44.6	18.3	27.5#
153	40.9	12.8	19.2#

Manual Integrations
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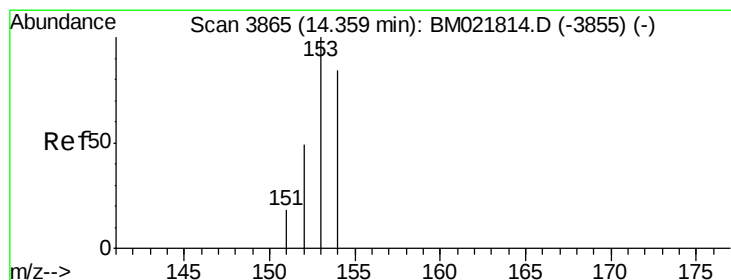
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.034 ng/ul

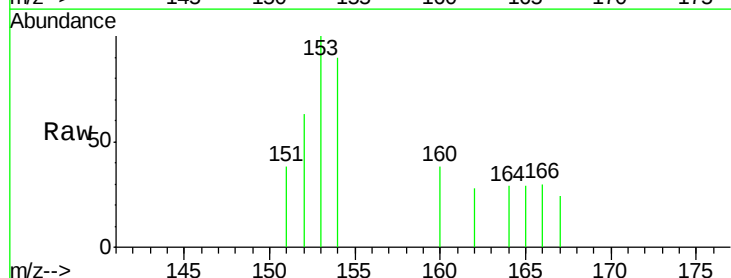
RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

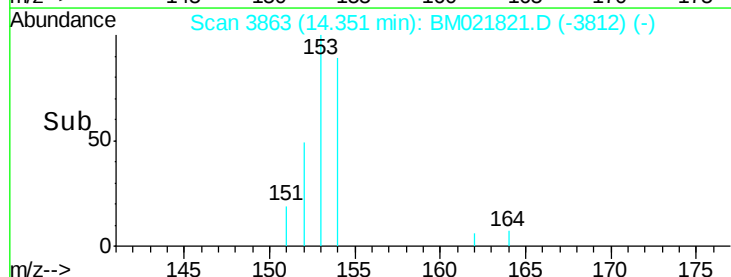
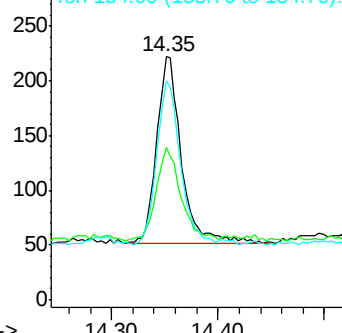
Lab File: BM021821.D

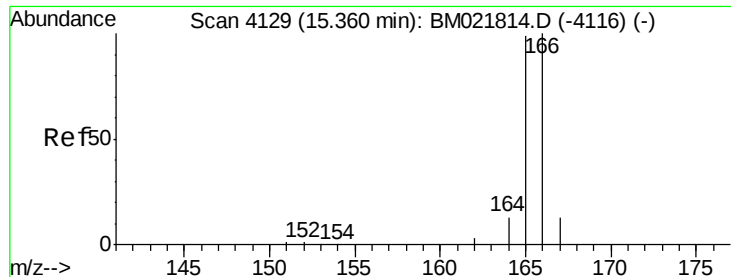
Acq: 04 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
153	100		
152	62.6	41.3	61.9#
154	90.1	72.3	108.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.029 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

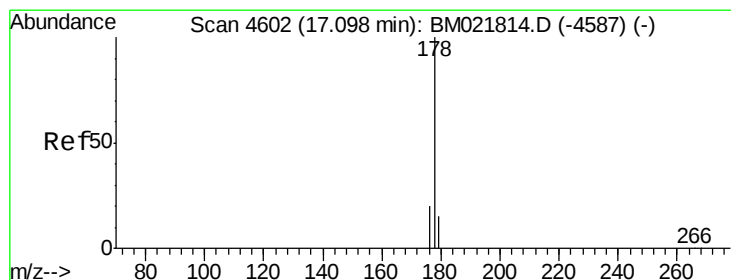
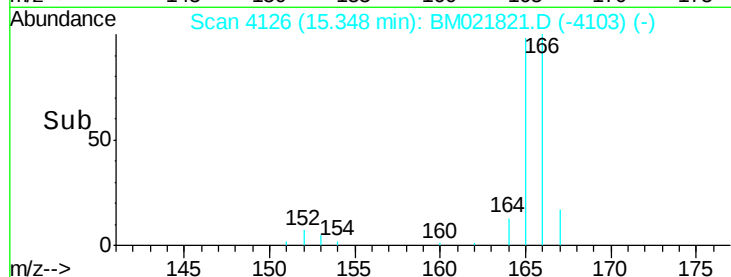
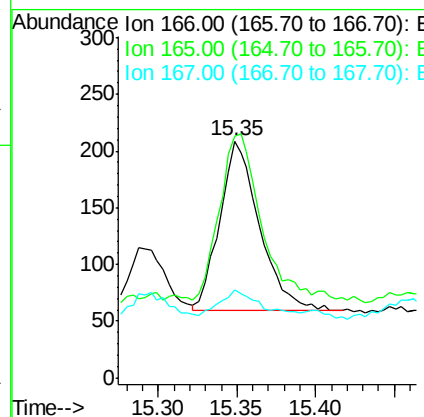
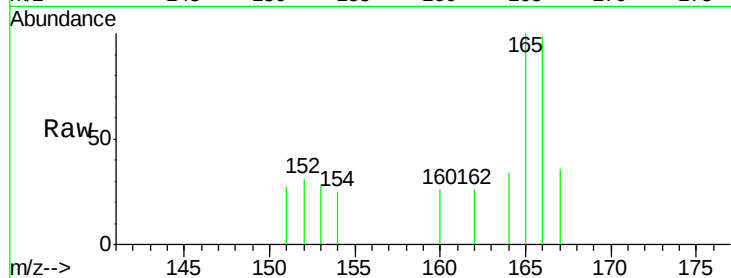
ClientSampleId :

BENR8DL

Tgt Ion:	166	Resp:	264
Ion Ratio	Lower	Upper	
166	100		
165	101.9	81.4	122.0
167	36.8	13.7	20.5#

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#12

Phenanthrene

Concen: 0.356 ng/ul

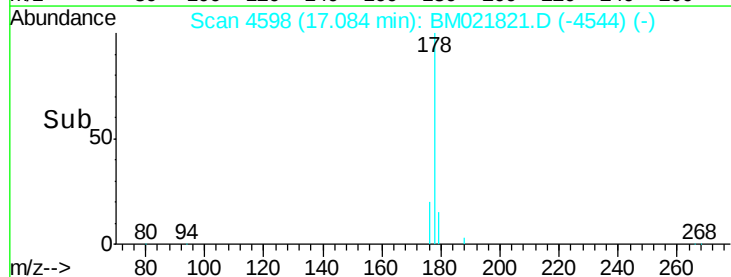
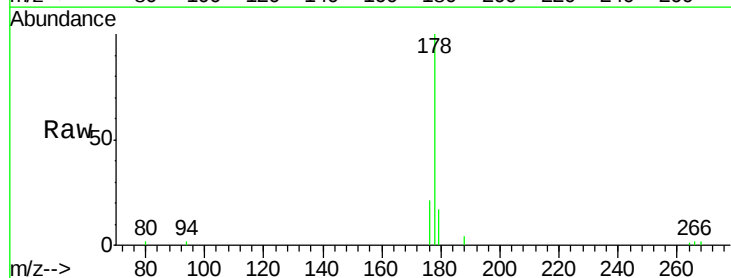
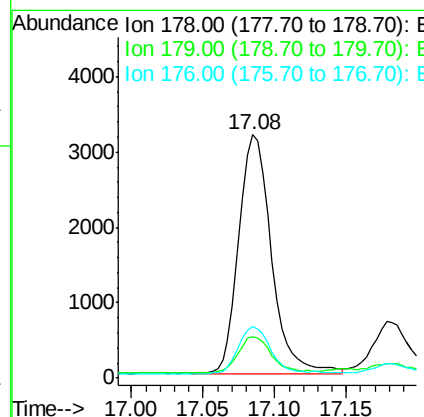
RT: 17.08 min Scan# 4598

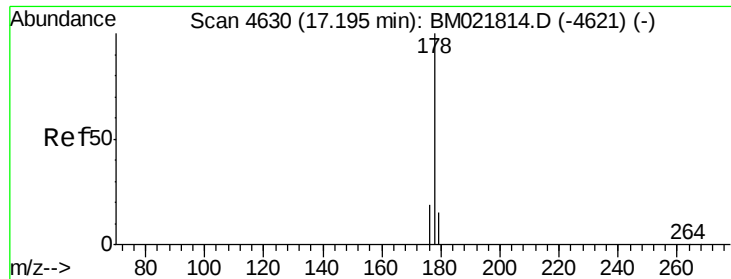
Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Tgt Ion:	178	Resp:	5014
Ion Ratio	Lower	Upper	
178	100		
179	17.0	14.2	21.2
176	21.3	16.8	25.2





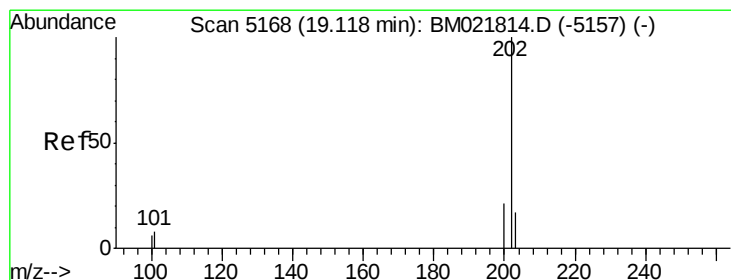
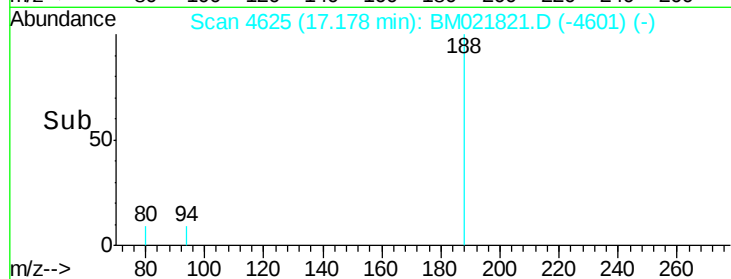
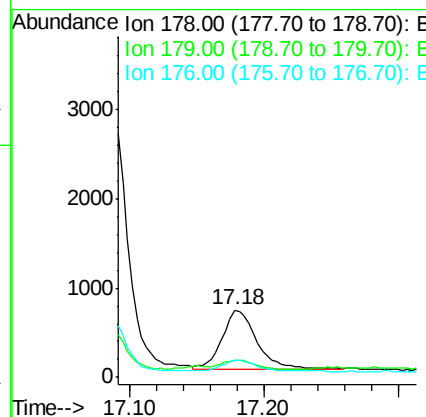
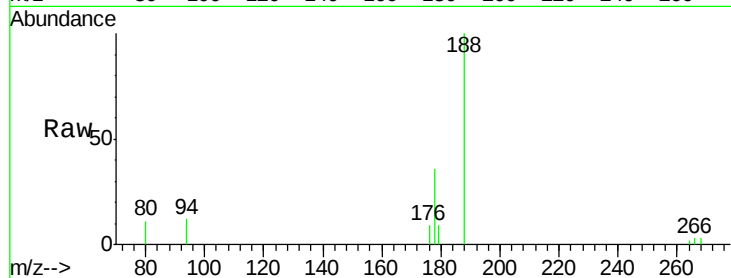
#13
 Anthracene
 Concen: 0.096 ng/ul
 RT: 17.18 min Scan# 4625
 Delta R.T. -0.02 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Instrument :
 BNA_M
 ClientSampleId :
 BENR8DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	26.1	15.5	23.3#
176	25.6	16.6	25.0#

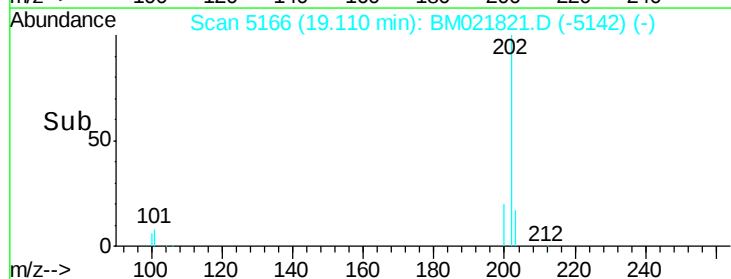
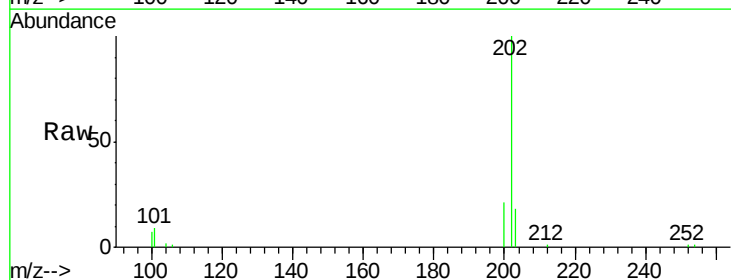
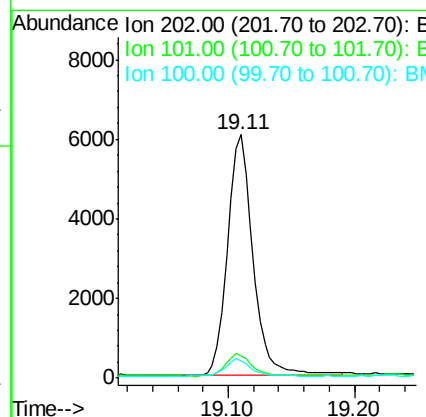
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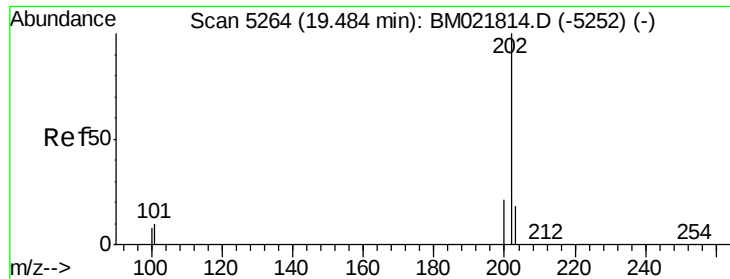
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#15
 Fluoranthene
 Concen: 0.457 ng/ul
 RT: 19.11 min Scan# 5166
 Delta R.T. -0.01 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.2
100	7.3	0.0	28.1





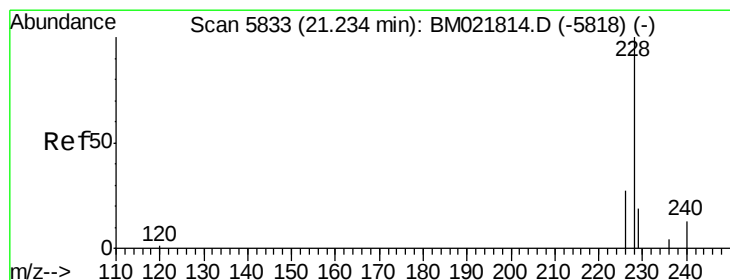
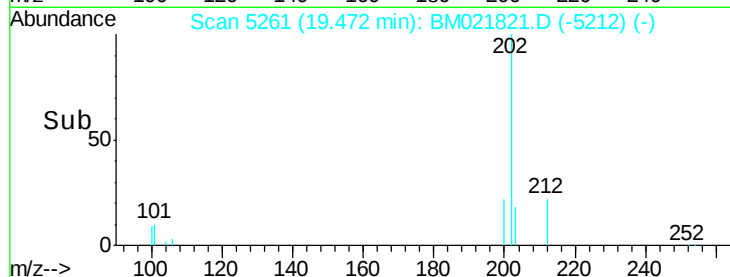
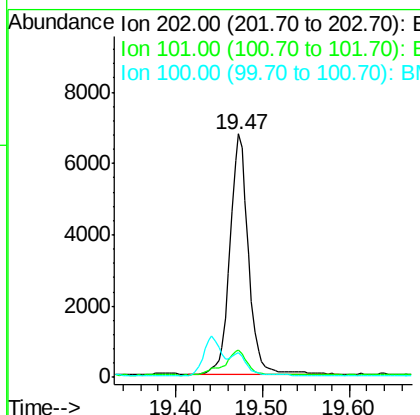
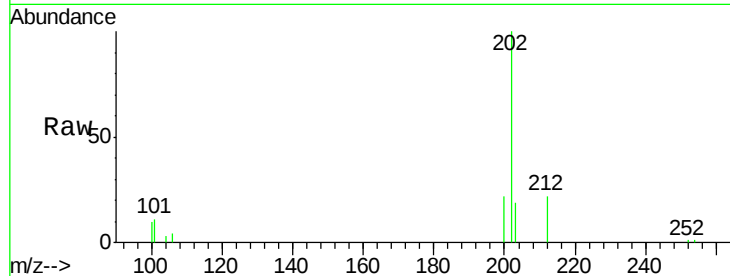
#17
Pyrene
 Concen: 0.505 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Instrument :
 BNA_M
 ClientSampleId :
 BENR8DL

Tgt Ion:	202	Resp:	10110
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.3	12.5
100	10.0	7.2	10.8

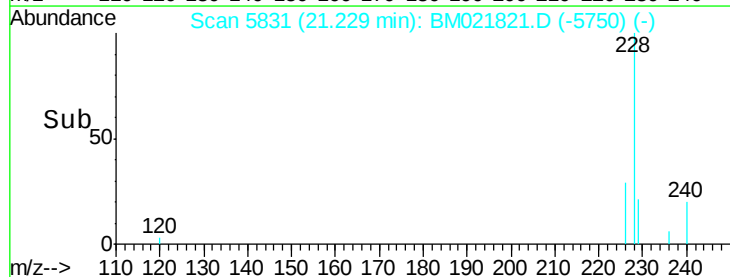
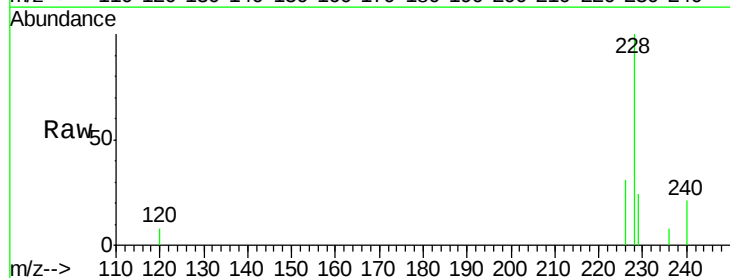
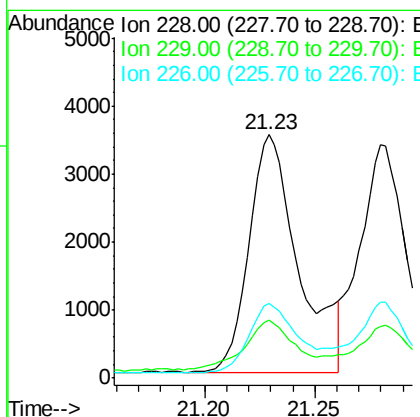
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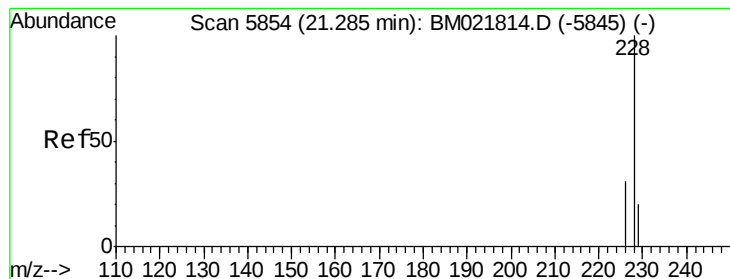
mohammad
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#18
Benzo(a)anthracene
 Concen: 0.311 ng/ul
 RT: 21.23 min Scan# 5831
 Delta R.T. -0.00 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Tgt Ion:	228	Resp:	5425
Ion Ratio	Lower	Upper	
228	100		
229	23.6	17.2	25.8
226	30.7	22.6	34.0





#19

Chrysene

Concen: 0.237 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.00 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

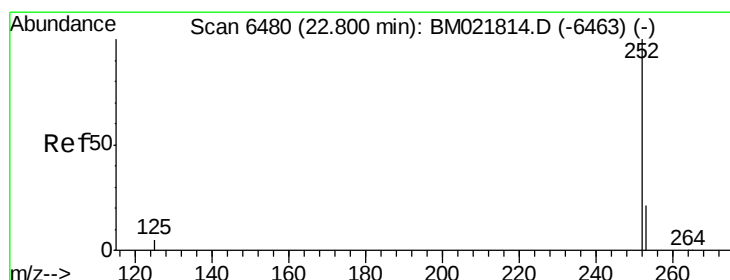
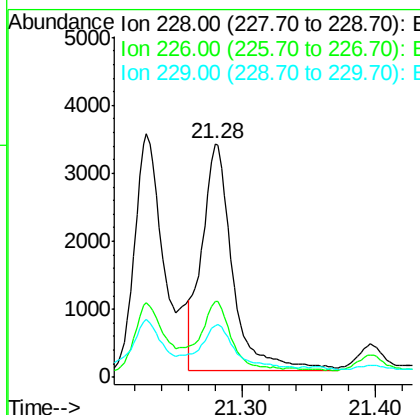
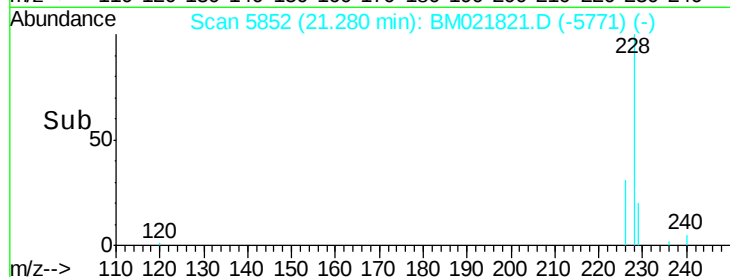
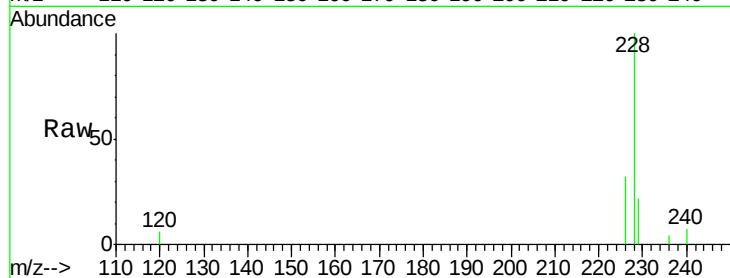
ClientSampleId :

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Tgt Ion:	228	Resp:	5308
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.9	37.3
229	22.3	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 0.243 ng/ul m

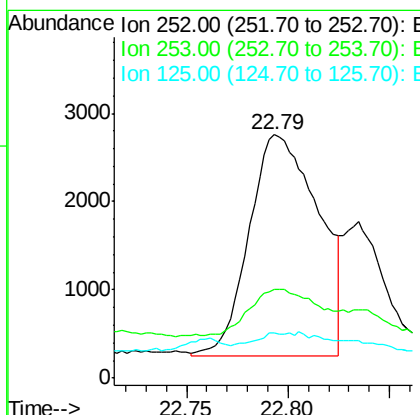
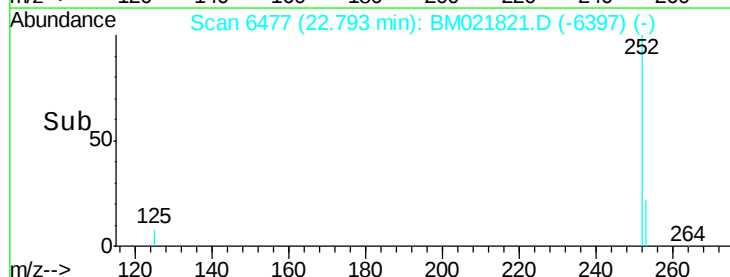
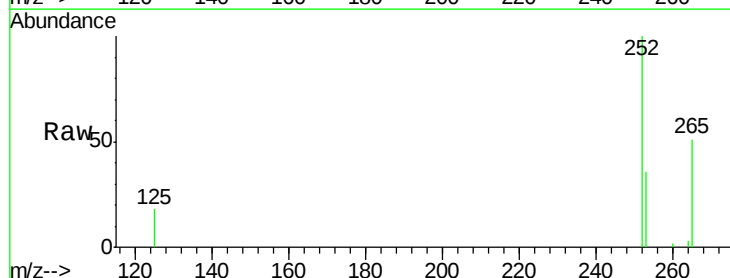
RT: 22.79 min Scan# 6477

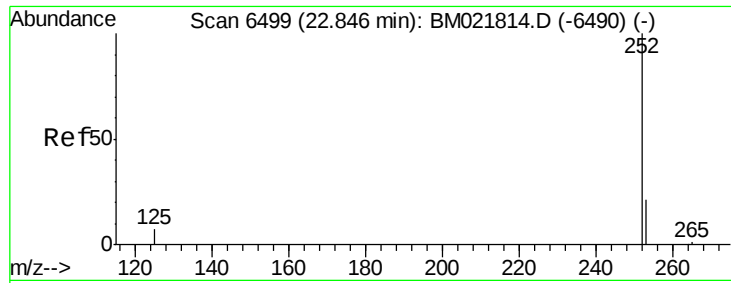
Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Tgt Ion:	252	Resp:	5946
Ion Ratio	Lower	Upper	
252	100		
253	36.4	0.0	67.4
125	18.3	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.079 ng/ul m

RT: 22.83 min Scan# 6494

Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Instrument :

BNA_M

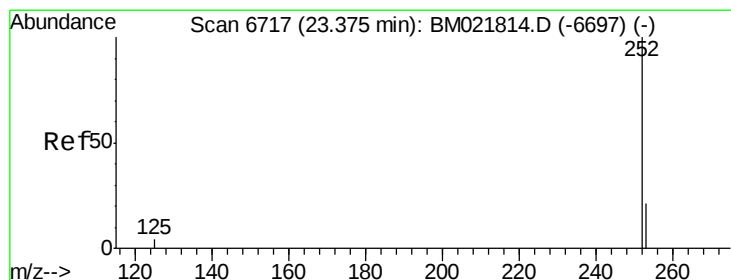
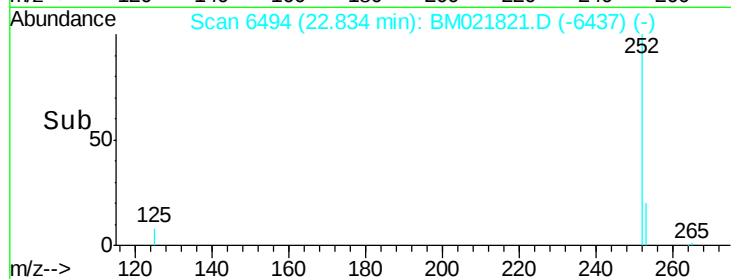
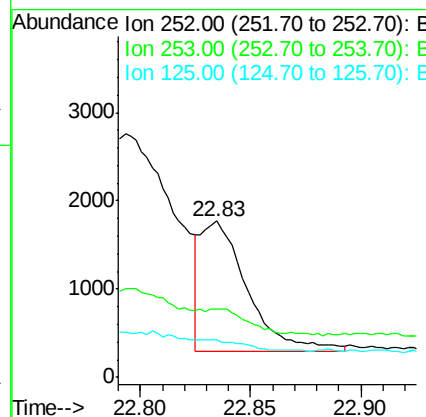
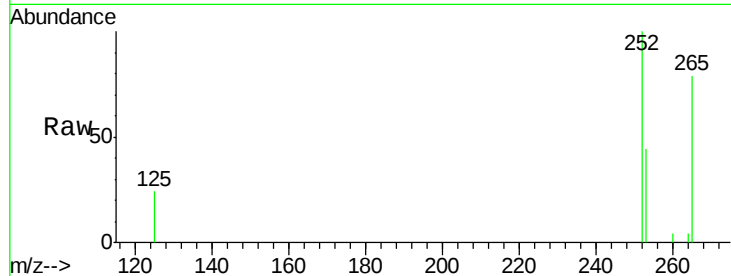
ClientSampleId :

BENR8DL

Tgt Ion:	252	Resp:	2200
Ion Ratio	Lower	Upper	
252	100		
253	43.9	27.0	40.4#
125	23.9	12.2	18.2#

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#23

Benzo(a)pyrene

Concen: 0.187 ng/ul

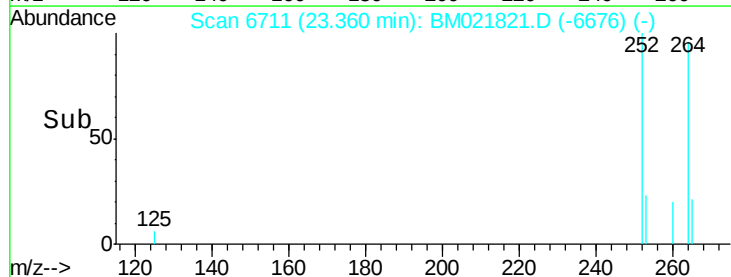
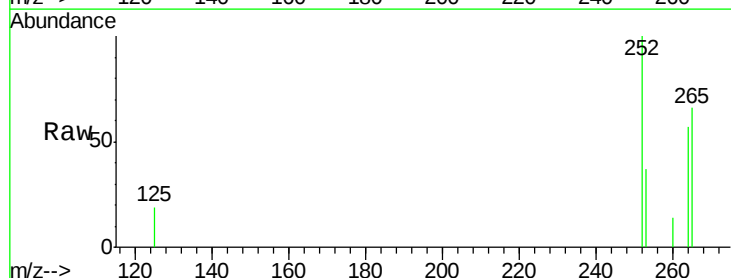
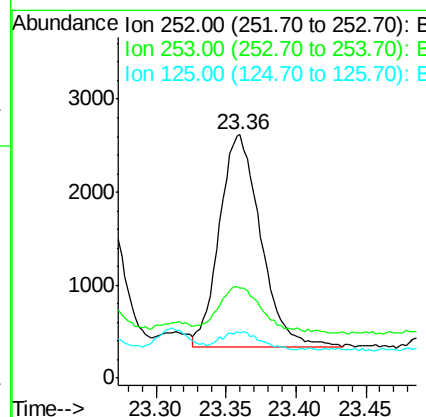
RT: 23.36 min Scan# 6711

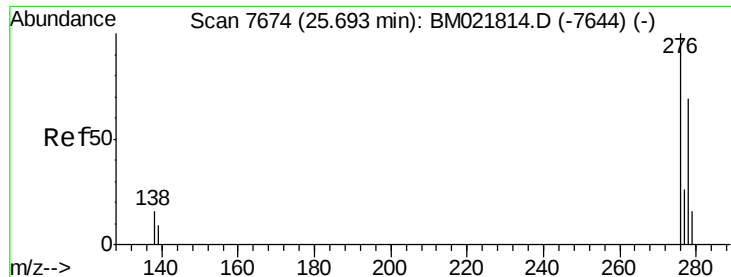
Delta R.T. -0.01 min

Lab File: BM021821.D

Acq: 04 Aug 2019 20:15

Tgt Ion:	252	Resp:	4651
Ion Ratio	Lower	Upper	
252	100		
253	37.0	31.7	47.5
125	18.7	14.6	21.8





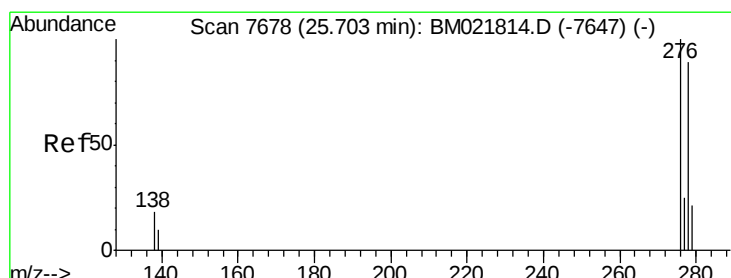
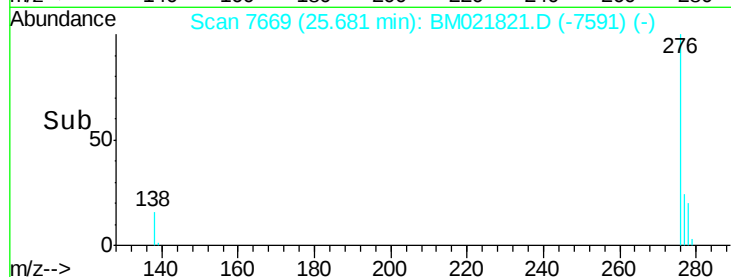
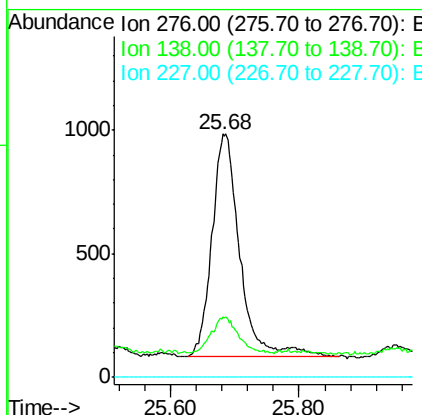
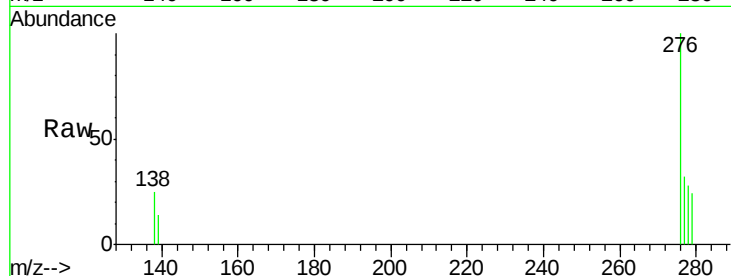
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.091 ng/u1
 RT: 25.68 min Scan# 7669
 Delta R.T. -0.01 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Instrument :
 BNA_M
 ClientSampleId :
 BENR8DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.1	22.7
227	0.0	0.0	0.0

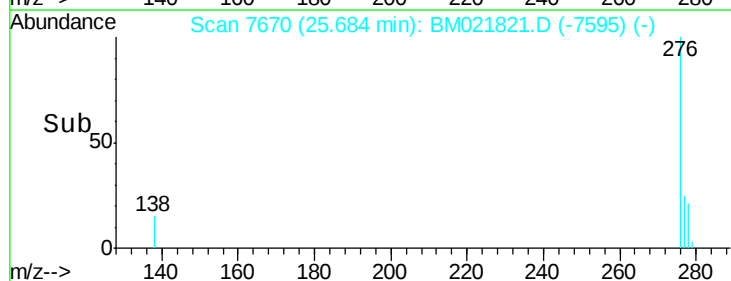
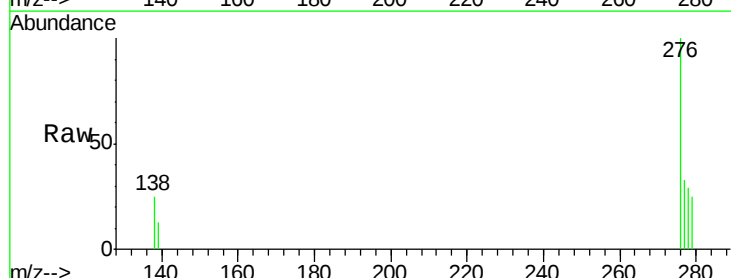
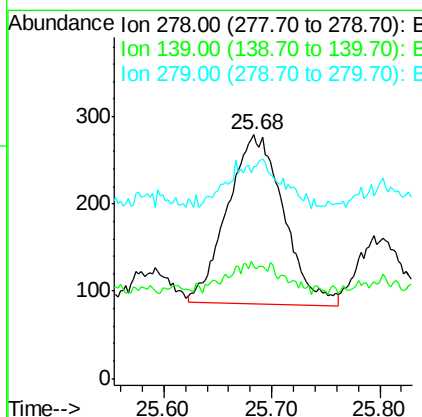
Manual Integrations
 APPROVED

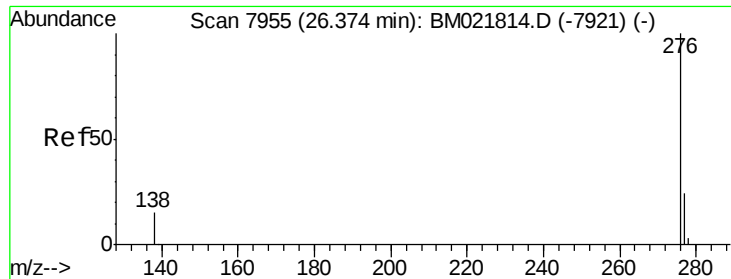
mohammad
 8/5/2019 10:16:12 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.029 ng/u1
 RT: 25.68 min Scan# 7670
 Delta R.T. -0.02 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	46.2	14.2	21.2#
279	87.1	28.3	42.5#





#26
 Benzo(g,h,i)perylene
 Concen: 0.104 ng/ul
 RT: 26.36 min Scan# 7951
 Delta R.T. -0.01 min
 Lab File: BM021821.D
 Acq: 04 Aug 2019 20:15

Instrument :
 BNA_M
 ClientSampleId :
 BENR8DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.5	15.5	23.3#
277	32.8	21.4	32.2#

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