

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022088.D
 Acq On : 14 Aug 2019 02:45
 Operator : HP/JU
 Sample : K4183-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG5

Manual Integrations
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 8/15/2019 5:08:06 PM

Quant Time: Aug 14 08:38:42 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 : Wed Aug 14 08:16:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	814	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3478	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1934	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4687m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	4611m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	5117m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	932	0.16	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	3068m	0.19	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.43	128	735	0.075	ng/ul#	83
5) 2-Methylnaphthalene	12.07	142	519	0.079	ng/ul	96
7) Acenaphthylene	13.98	152	555	0.062	ng/ul#	70
8) Acenaphthene	14.32	153	5484	0.743	ng/ul	97
9) Fluorene	15.32	166	8304	1.013	ng/ul	99
12) Phenanthrene	17.05	178	107550m	7.886	ng/ul	
13) Anthracene	17.15	178	32138m	2.763	ng/ul	
15) Fluoranthene	19.08	202	159833m	8.749	ng/ul	
17) Pyrene	19.45	202	133817	7.062	ng/ul	98
18) Benzo(a)anthracene	21.20	228	76796	4.656	ng/ul	99
19) Chrysene	21.25	228	68115	3.211	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	91856m	5.323	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	38067m	1.949	ng/ul	
23) Benzo(a)pyrene	23.33	252	69418	3.956	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	44178	2.108	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.63	278	10764	0.636	ng/ul#	84
26) Benzo(g,h,i)perylene	26.31	276	42458	2.251	ng/ul	99

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

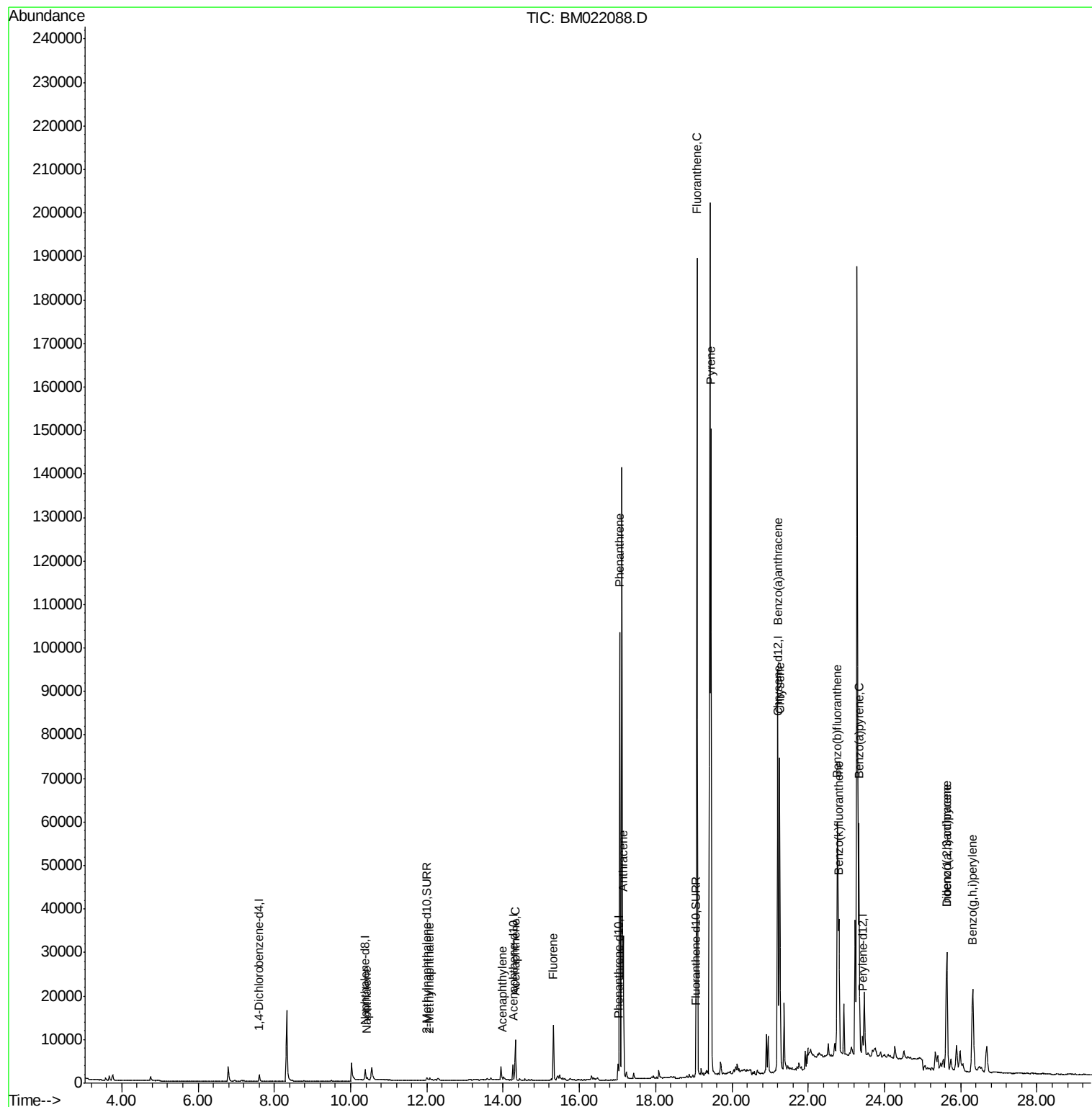
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

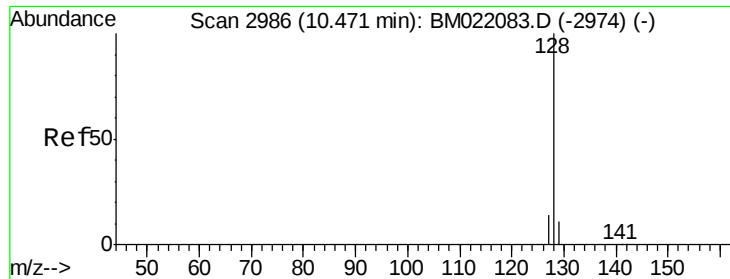
Instrument :
BNA_M
ClientSampleId :
C0AG5

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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 14 08:16:48 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.075 ng/ul

RT: 10.43 min Scan# 2978

Delta R.T. -0.04 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

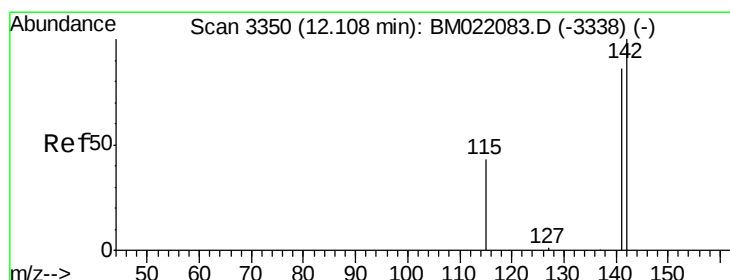
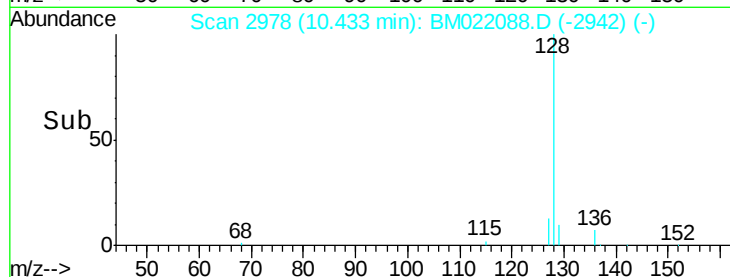
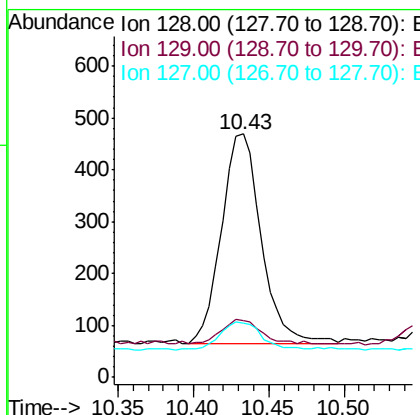
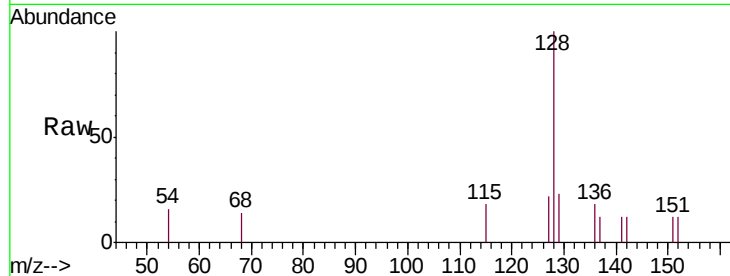
ClientSampleId :

C0AG5

Tgt Ion:	128	Resp:	735
Ion Ratio	Lower	Upper	
128	100		
129	23.5	12.3	18.5#
127	22.4	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.079 ng/ul

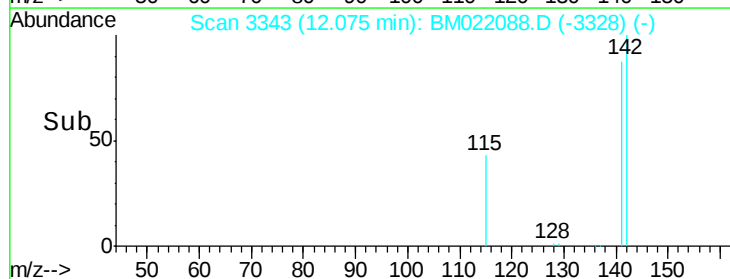
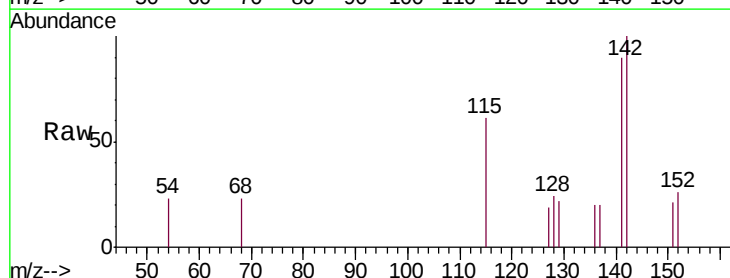
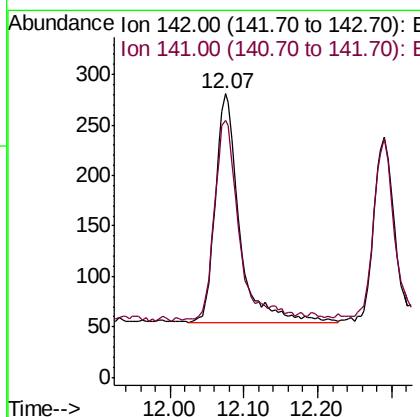
RT: 12.07 min Scan# 3343

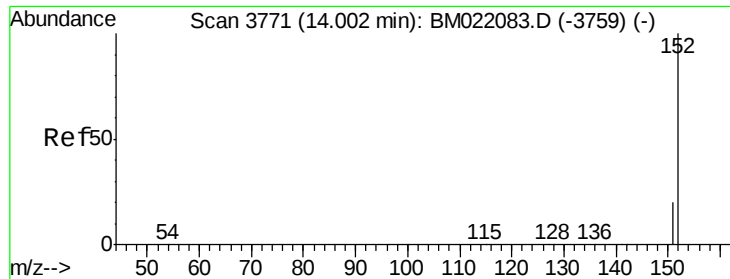
Delta R.T. -0.03 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Tgt Ion:	142	Resp:	519
Ion Ratio	Lower	Upper	
142	100		
141	88.6	74.3	111.5





#7

Acenaphthylene

Concen: 0.062 ng/ul

RT: 13.98 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

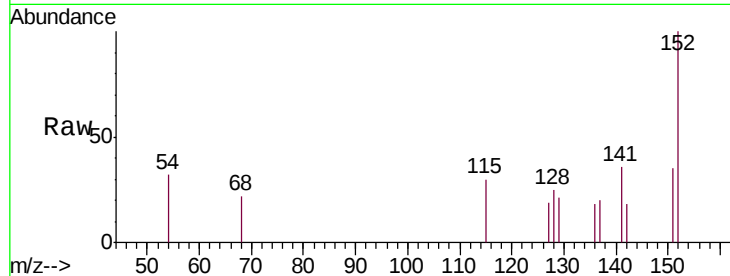
ClientSampleId :

C0AG5

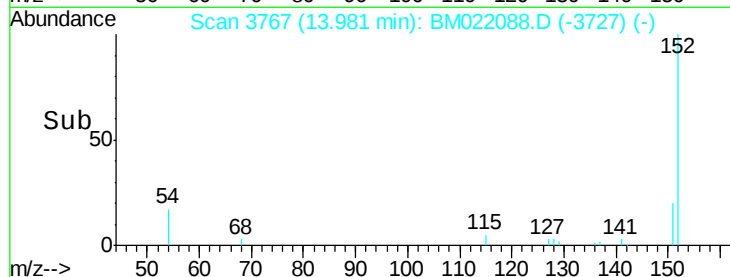
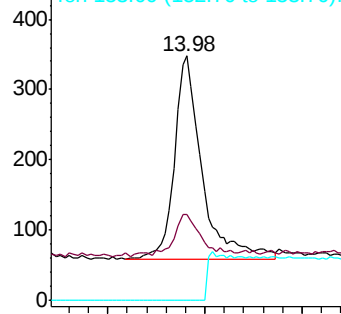
Tgt	Ion	Ratio	Lower	Upper
152	100			
151	34.8	18.3	27.5#	
153	0.0	12.8	19.2#	

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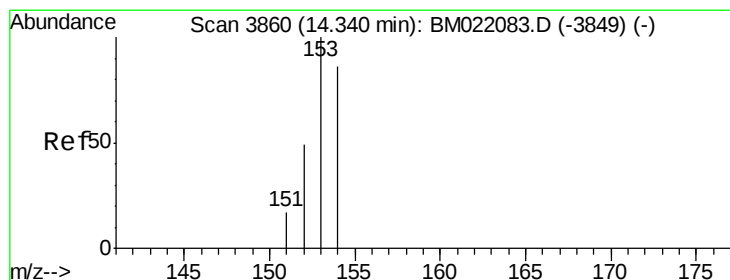
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.743 ng/ul

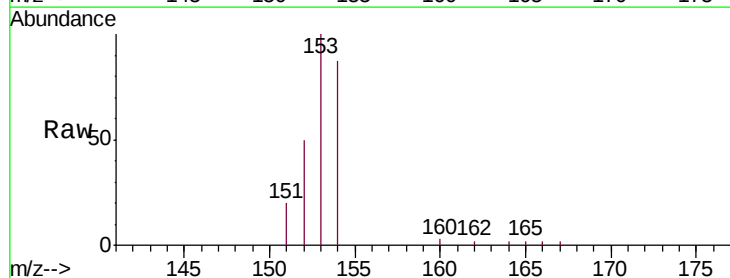
RT: 14.32 min Scan# 3855

Delta R.T. -0.02 min

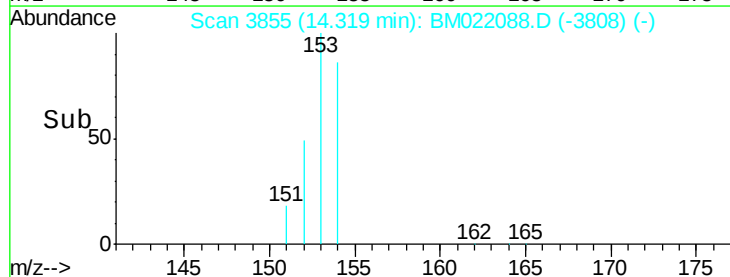
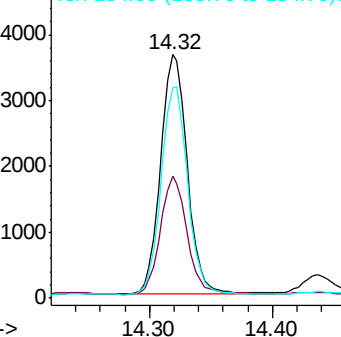
Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

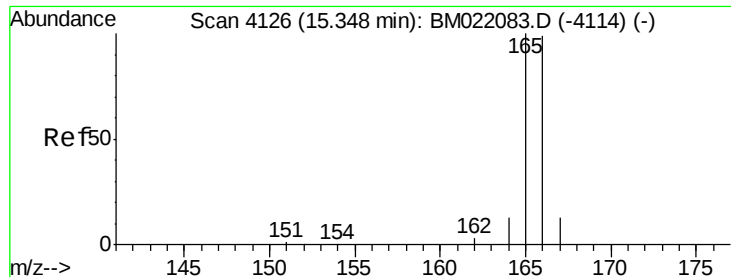
Tgt	Ion	Ratio	Lower	Upper
153	100			
152	50.0	41.3	61.9	
154	86.6	72.3	108.5	



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



Time-->



#9

Fluorene

Concen: 1.013 ng/ul

RT: 15.32 min Scan# 4118

Delta R.T. -0.03 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

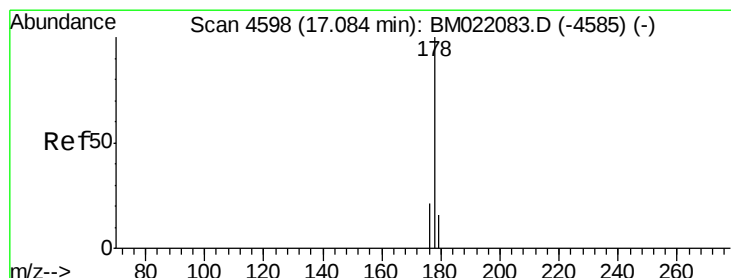
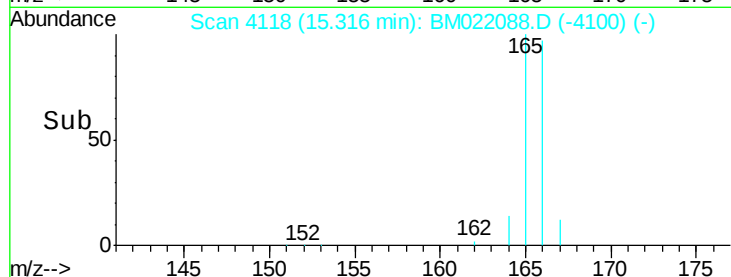
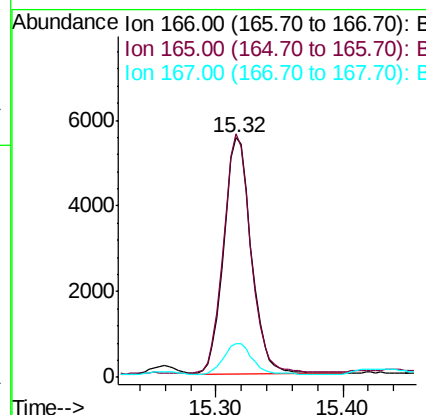
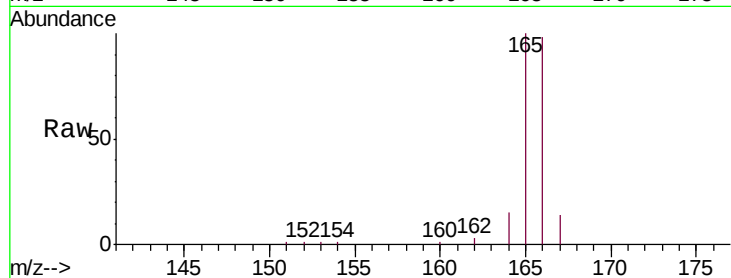
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.4	122.0
167	14.3	13.7	20.5

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#12

Phenanthrene

Concen: 7.886 ng/ul m

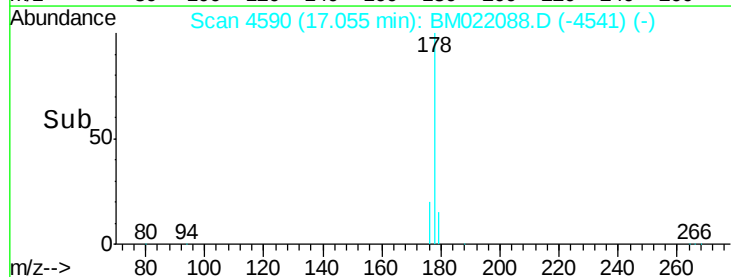
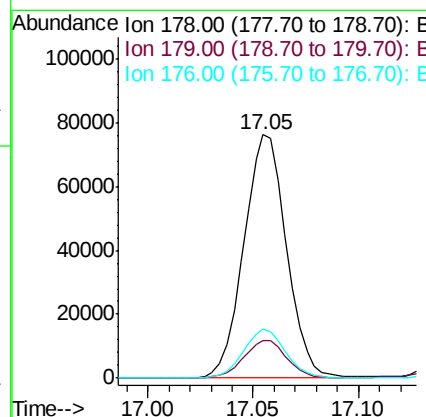
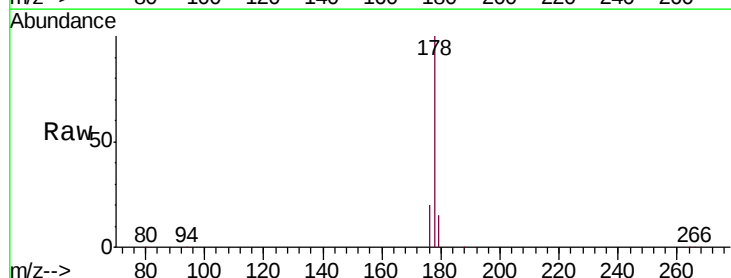
RT: 17.05 min Scan# 4590

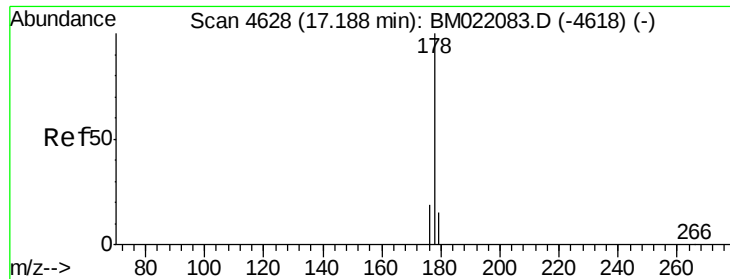
Delta R.T. -0.03 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	14.2	21.2
176	20.0	16.8	25.2





#13

Anthracene

Concen: 2.763 ng/ul m

RT: 17.15 min Scan# 4617

Delta R.T. -0.04 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

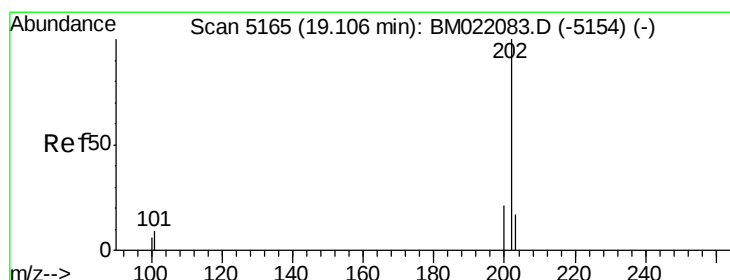
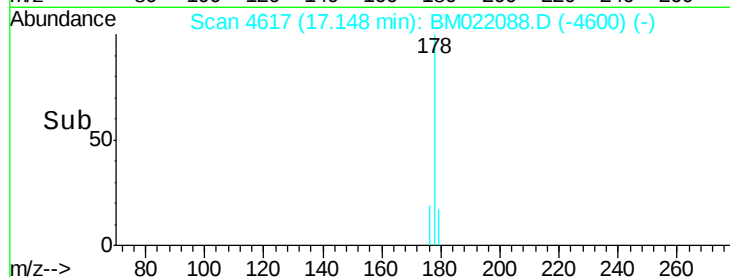
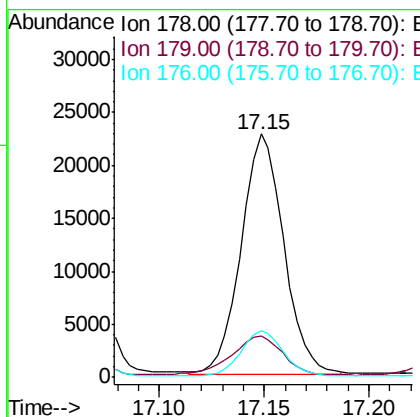
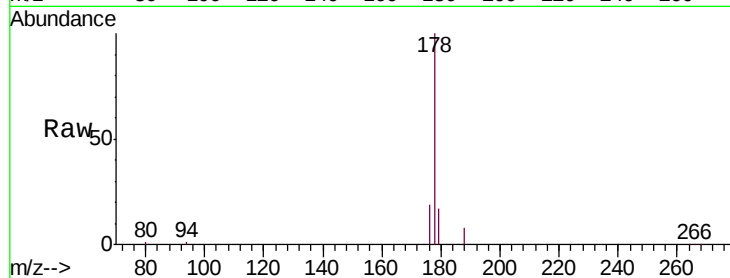
ClientSampleId :

C0AG5

Tgt Ion:	178	Resp:	32138
Ion Ratio	Lower	Upper	
178	100		
179	17.2	15.5	23.3
176	19.3	16.6	25.0

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#15

Fluoranthene

Concen: 8.749 ng/ul m

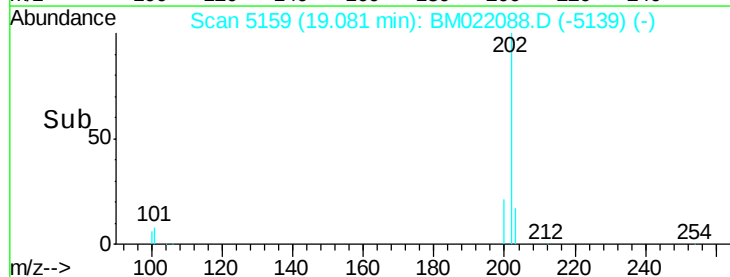
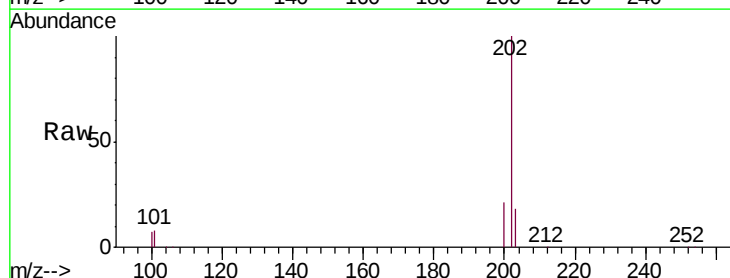
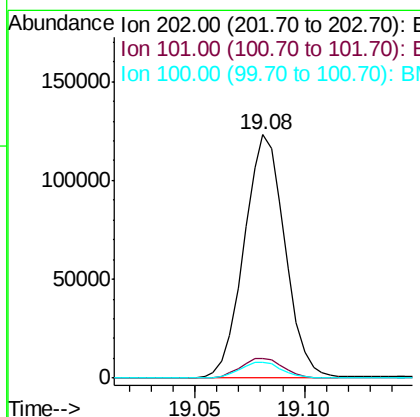
RT: 19.08 min Scan# 5159

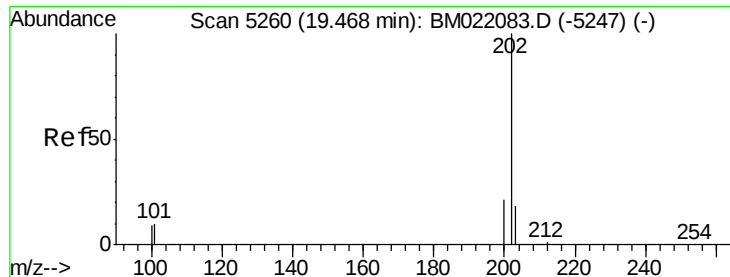
Delta R.T. -0.03 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Tgt Ion:	202	Resp:	159833
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	30.2
100	6.5	0.0	28.1





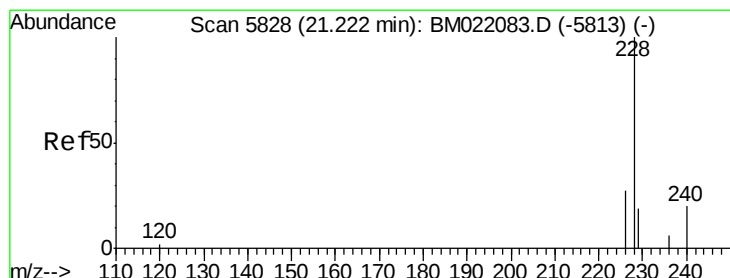
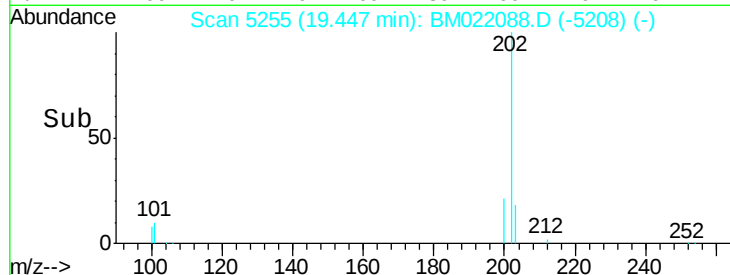
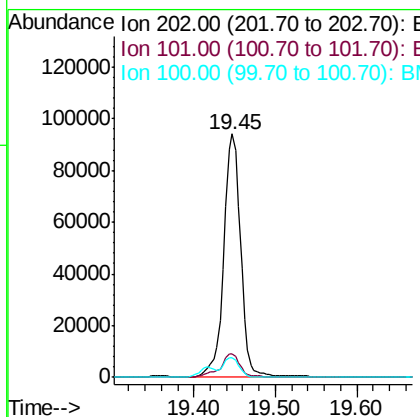
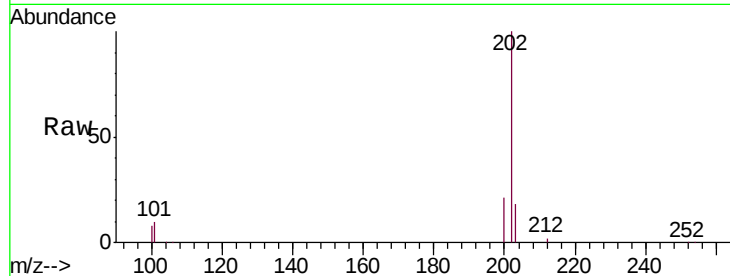
#17
 Pyrene
 Concen: 7.062 ng/ul
 RT: 19.45 min Scan# 5255
 Delta R.T. -0.02 min
 Lab File: BM022088.D
 Acq: 14 Aug 2019 02:45

Instrument :
 BNA_M
 ClientSampleId :
 C0AG5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.8	8.3	12.5
100	8.2	7.2	10.8

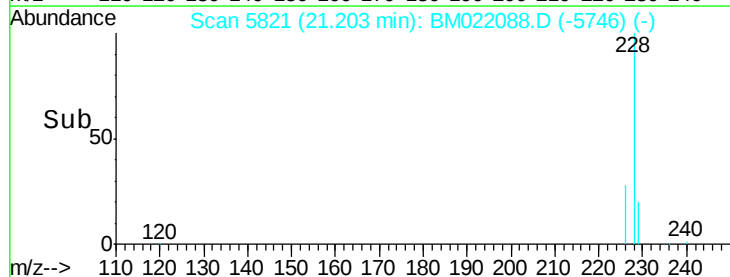
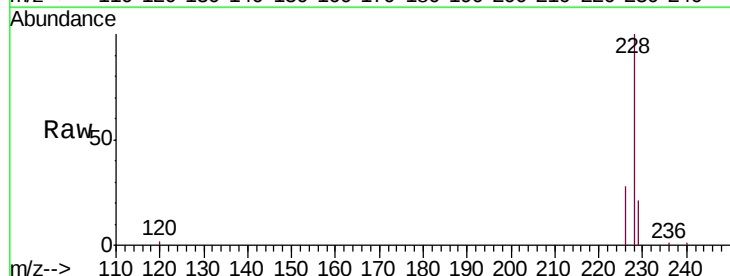
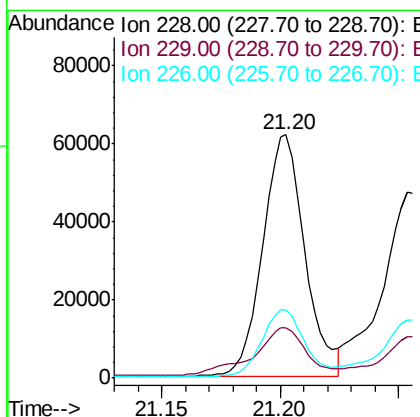
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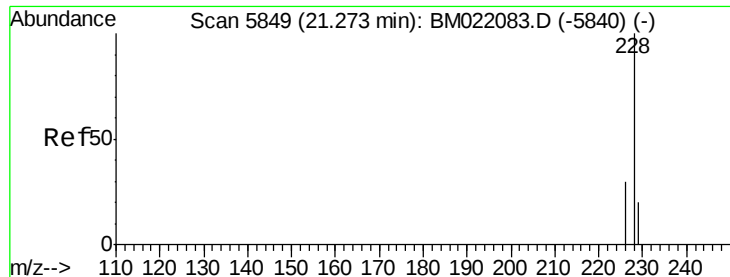
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#18
 Benzo(a)anthracene
 Concen: 4.656 ng/ul
 RT: 21.20 min Scan# 5821
 Delta R.T. -0.02 min
 Lab File: BM022088.D
 Acq: 14 Aug 2019 02:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.8	17.2	25.8
226	27.9	22.6	34.0





#19

Chrysene

Concen: 3.211 ng/ul

RT: 21.25 min Scan# 5842

Delta R.T. -0.02 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

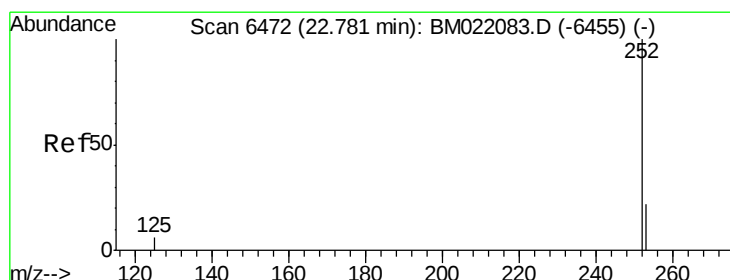
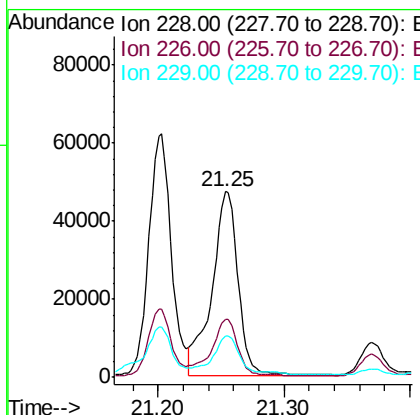
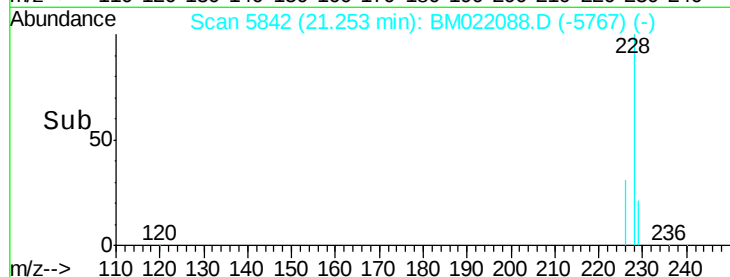
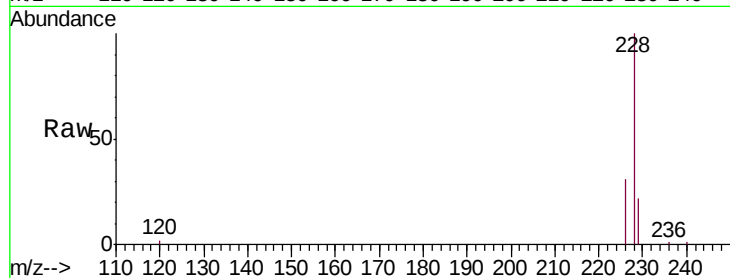
ClientSampleId :

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Tgt Ion:	228	Resp:	68115
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.9	37.3
229	22.2	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 5.323 ng/ul m

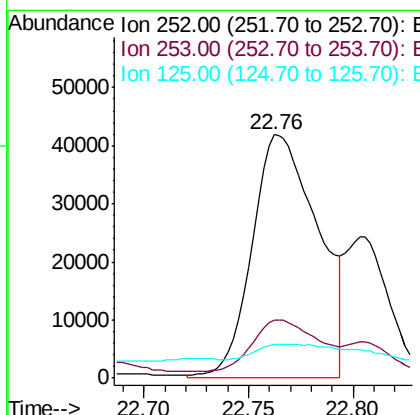
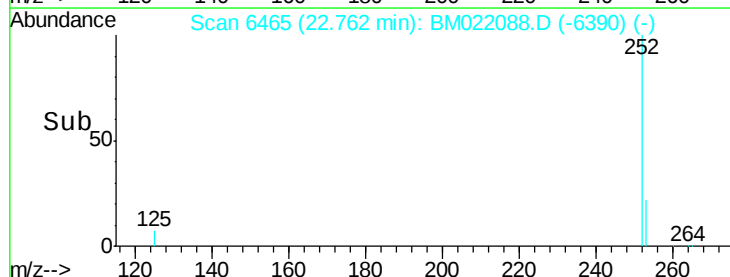
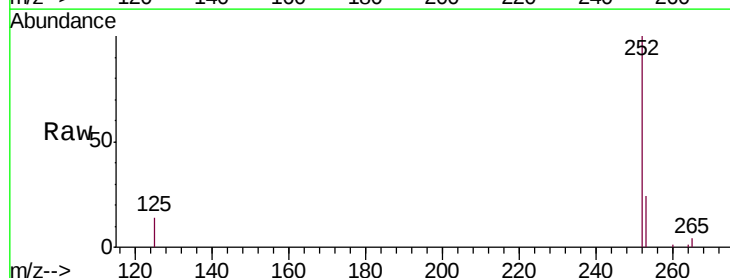
RT: 22.76 min Scan# 6465

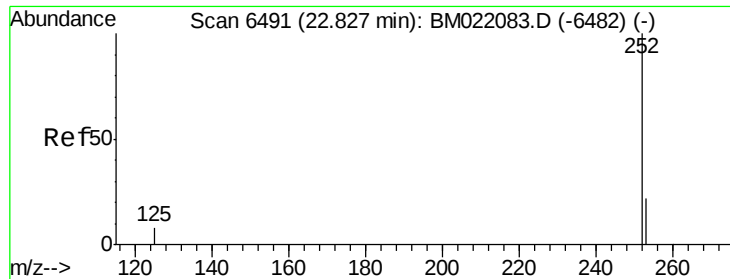
Delta R.T. -0.02 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

Tgt Ion:	252	Resp:	91856
Ion Ratio	Lower	Upper	
252	100		
253	24.0	0.0	67.4
125	13.9	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 1.949 ng/ul

RT: 22.80 min Scan# 6482

Delta R.T. -0.02 min

Lab File: BM022088.D

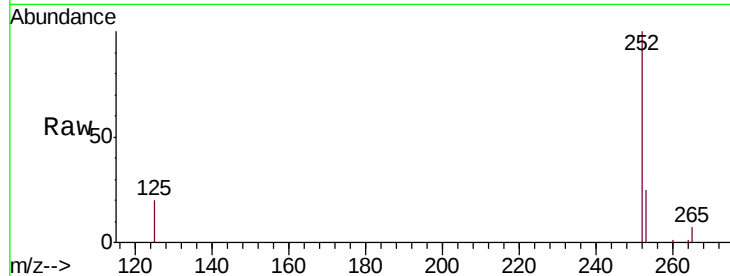
Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

ClientSampled :

C0AG5



Tgt Ion: 252 Resp: 38067

Ion Ratio Lower Upper

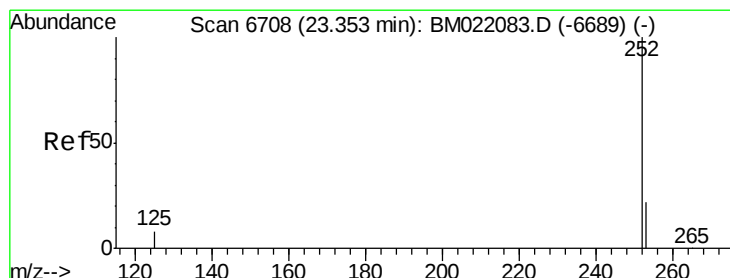
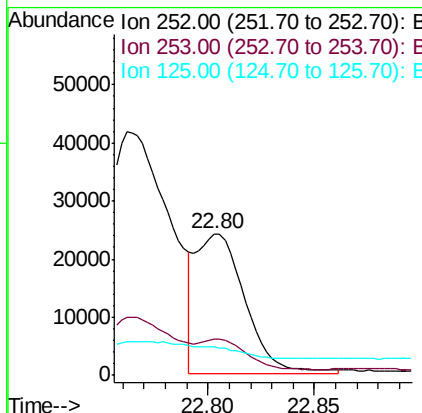
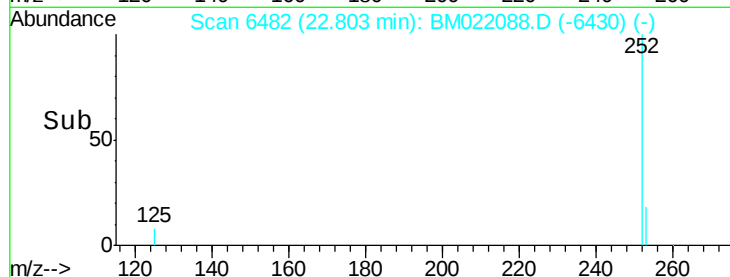
252 100

253 25.5 27.0 40.4#

125 19.9 12.2 18.2#

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#23

Benzo(a)pyrene

Concen: 3.956 ng/ul

RT: 23.33 min Scan# 6699

Delta R.T. -0.02 min

Lab File: BM022088.D

Acq: 14 Aug 2019 02:45

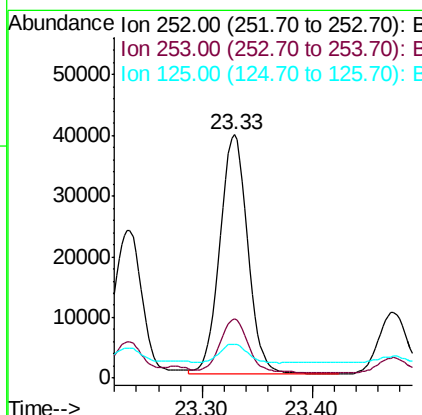
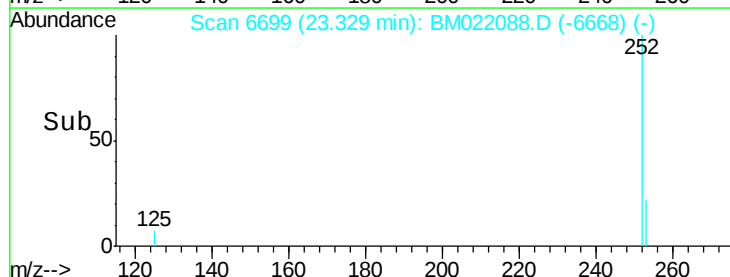
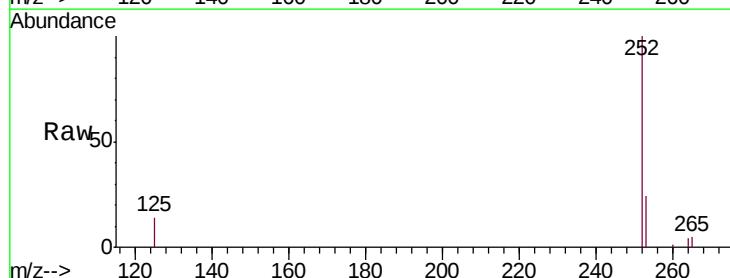
Tgt Ion: 252 Resp: 69418

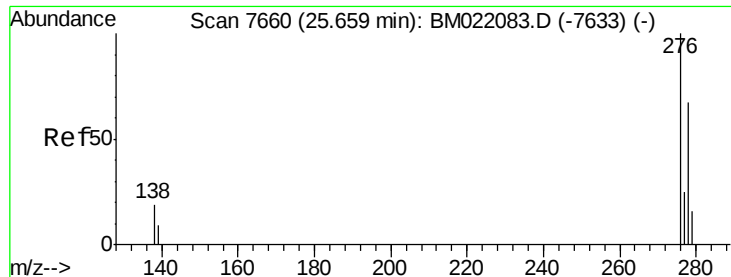
Ion Ratio Lower Upper

252 100

253 24.3 31.7 47.5#

125 13.9 14.6 21.8#





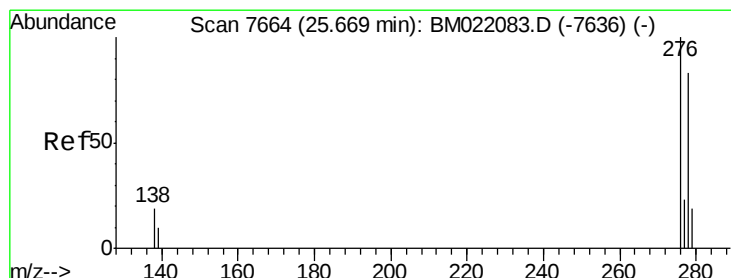
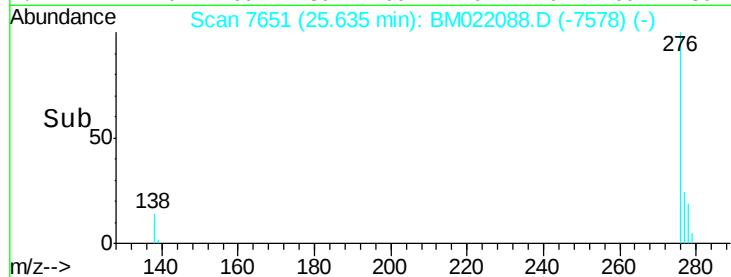
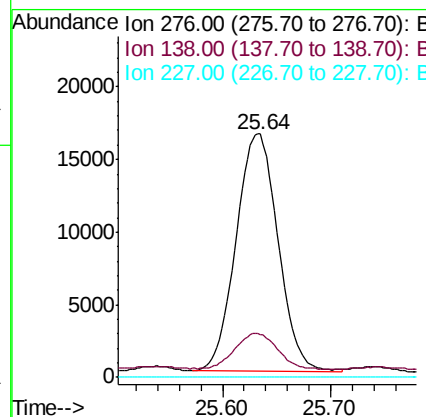
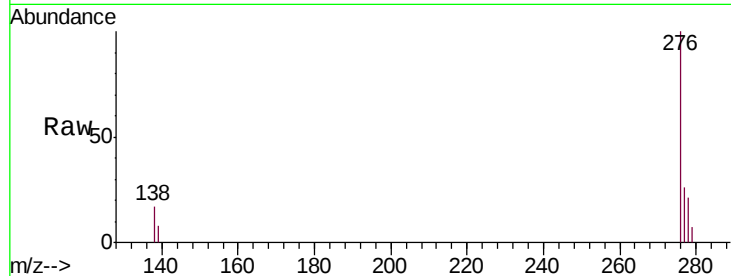
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.108 ng/u1
 RT: 25.64 min Scan# 7651
 Delta R.T. -0.02 min
 Lab File: BM022088.D
 Acq: 14 Aug 2019 02:45

Instrument :
 BNA_M
 ClientSampleId :
 C0AG5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	15.1	22.7
227	0.0	0.0	0.0

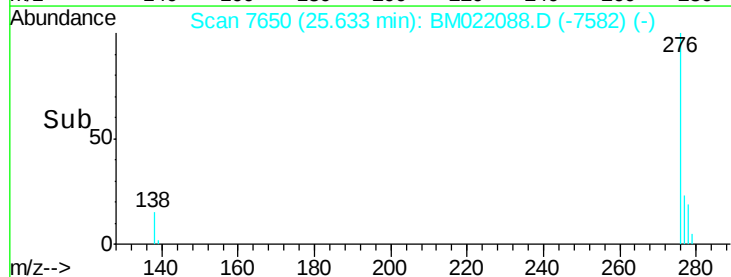
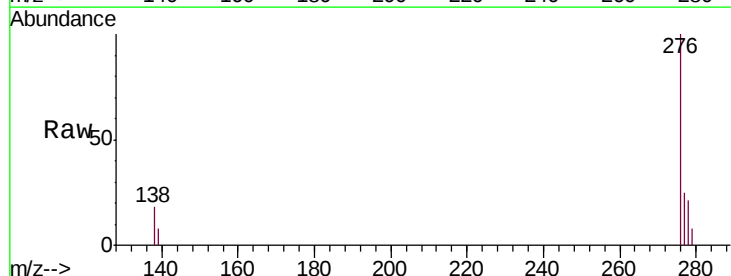
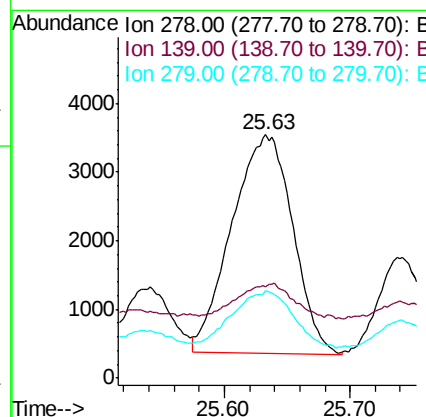
Manual Integrations
 APPROVED

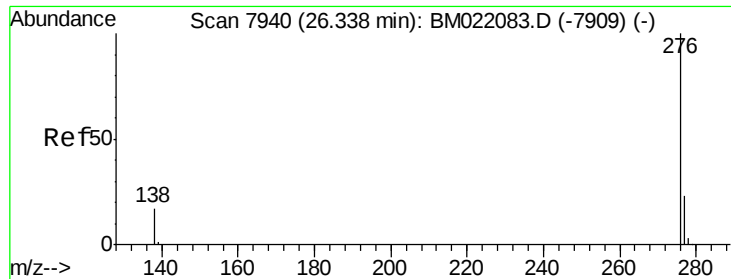
mohammad
 8/15/2019 5:08:06 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.636 ng/u1
 RT: 25.63 min Scan# 7650
 Delta R.T. -0.04 min
 Lab File: BM022088.D
 Acq: 14 Aug 2019 02:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.3	14.2	21.2#
279	36.0	28.3	42.5





#26

Benzo(g,h,i)perylene

Concen: 2.251 ng/ul

RT: 26.31 min Scan# 7931

Delta R.T. -0.02 min

Lab File: BM022088.D

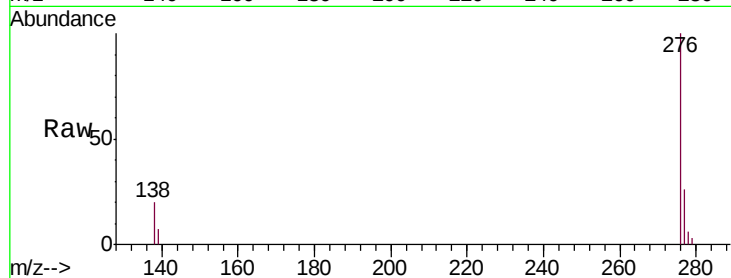
Acq: 14 Aug 2019 02:45

Instrument :

BNA_M

ClientSampleId :

C0AG5



Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	15.5	23.3
277	26.3	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/15/2019 5:08:06 PM

