

Data File : BM022031.D
Acq On : 12 Aug 2019 14:39
Operator : HP/JU
Sample : K3962-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP07

Manual Integrations
APPROVED

mohammad
8/14/2019 2:47:28 AM

Quant Time: Aug 12 15:47:03 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 12 14:07:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	769	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	3356	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1869	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	4447m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	4197m	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	3909m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1510	0.27	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	4581m	0.31	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.43	128	554	0.058	ng/ul#	79
5) 2-Methylnaphthalene	12.08	142	285	0.045	ng/ul	98
7) Acenaphthylene	13.99	152	2188	0.251	ng/ul#	84
8) Acenaphthene	14.32	153	474	0.066	ng/ul	94
9) Fluorene	15.32	166	731	0.092	ng/ul#	95
12) Phenanthrene	17.06	178	15140m	1.170	ng/ul	
13) Anthracene	17.15	178	3559m	0.322	ng/ul	
15) Fluoranthene	19.09	202	35493m	2.048	ng/ul	
17) Pyrene	19.45	202	35721	2.071	ng/ul	100
18) Benzo(a)anthracene	21.21	228	20442	1.362	ng/ul	99
19) Chrysene	21.26	228	22224	1.151	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	25157m	1.908	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	10539m	0.706	ng/ul	
23) Benzo(a)pyrene	23.33	252	19747	1.473	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	12785	0.799	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.64	278	3441	0.266	ng/ul#	83
26) Benzo(g,h,i)perylene	26.32	276	12598	0.874	ng/ul	99

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

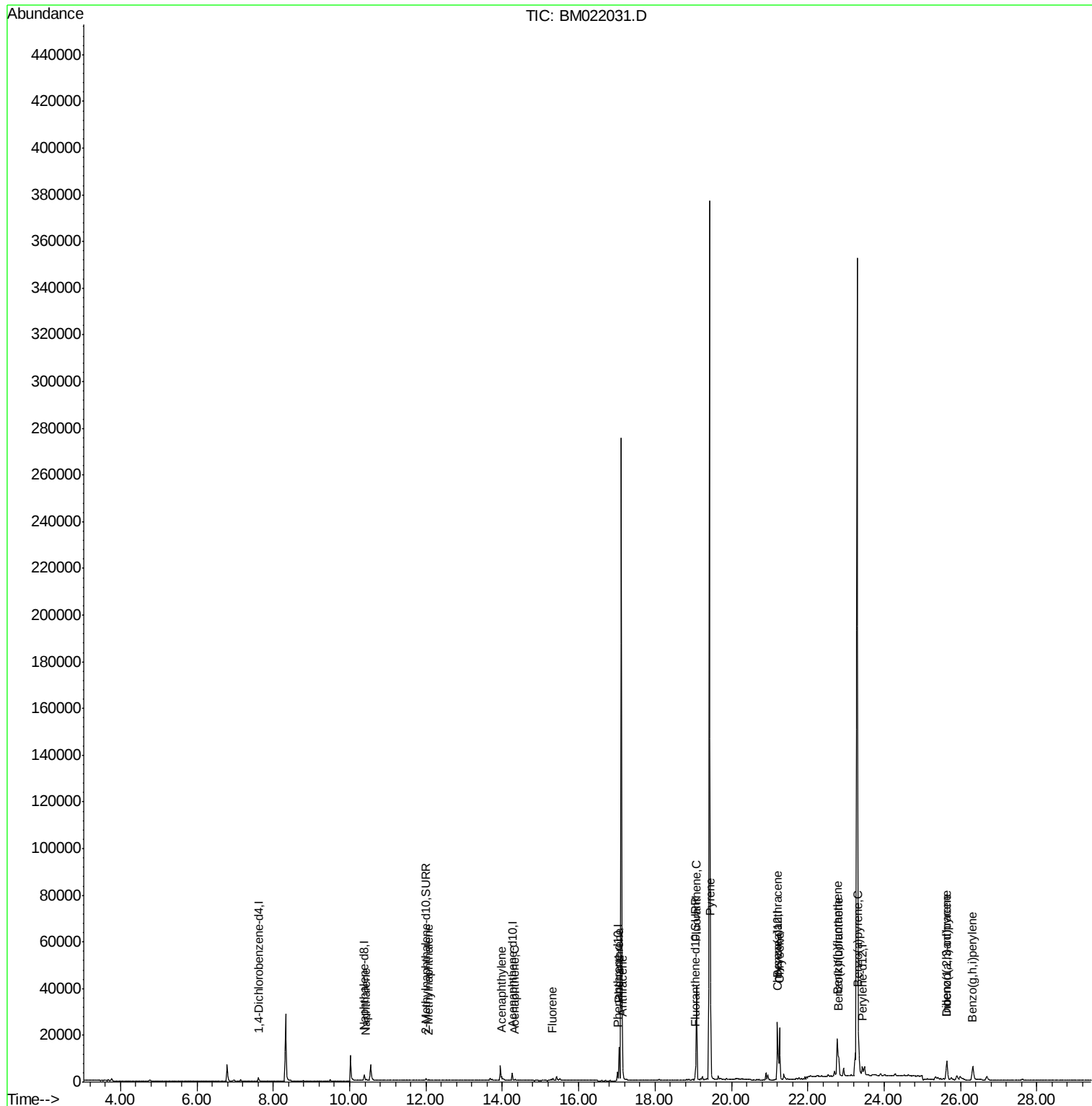
Data File : BM022031.D
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ALS Vial : 12 Sample Multiplier: 1

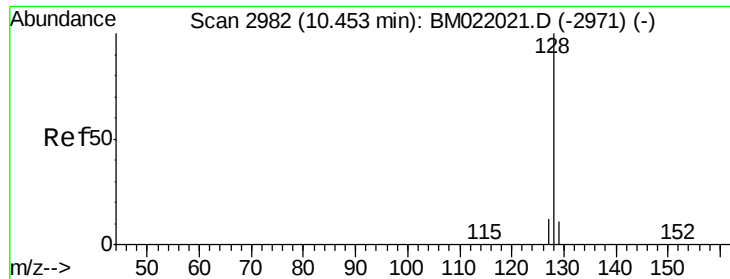
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 12 14:07:26 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.058 ng/ul

RT: 10.43 min Scan# 2978

Delta R.T. -0.03 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Instrument :

BNA_M

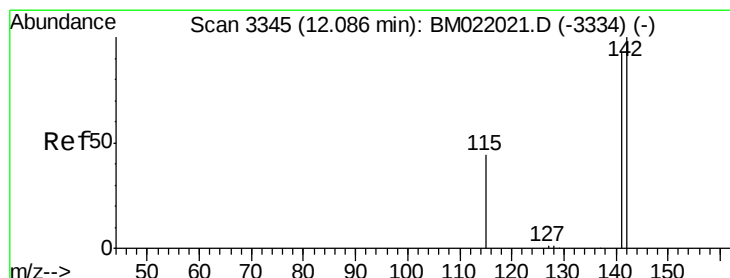
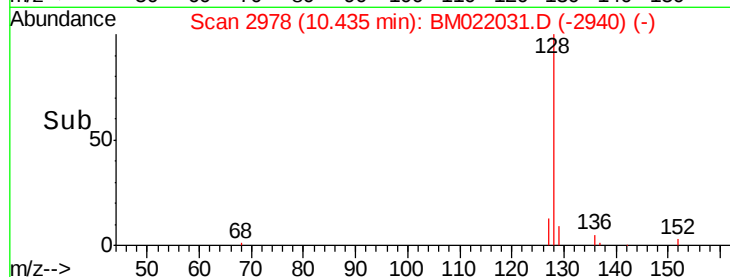
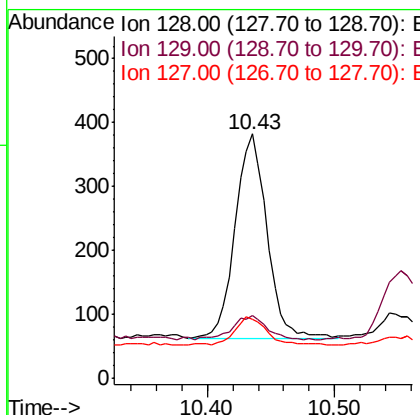
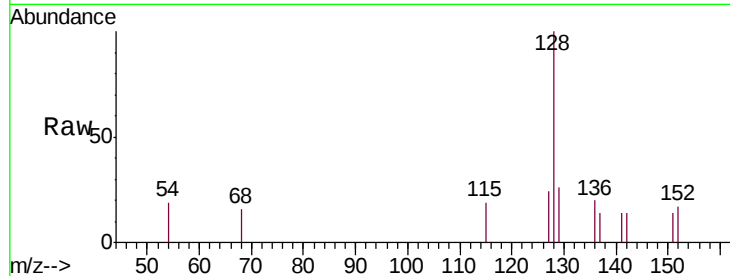
ClientSampleId :

BEP07

Tgt Ion:	128	Resp:	554
Ion Ratio	Lower	Upper	
128	100		
129	25.7	12.3	18.5#
127	24.1	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.045 ng/ul

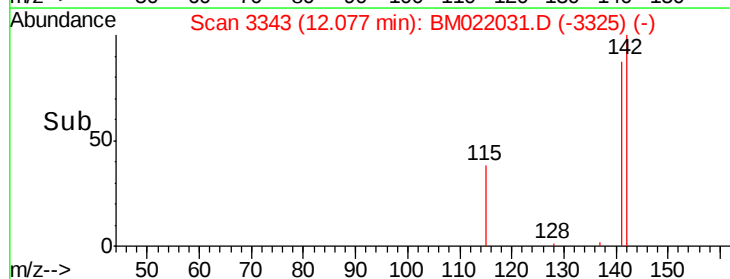
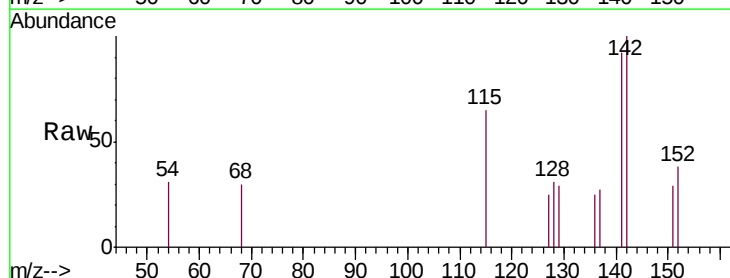
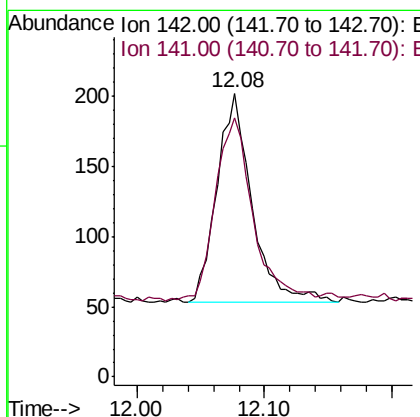
RT: 12.08 min Scan# 3343

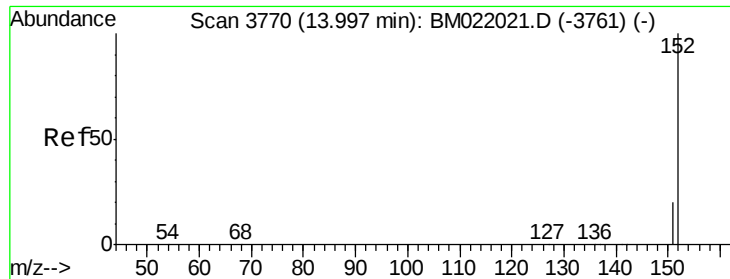
Delta R.T. -0.02 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Tgt Ion:	142	Resp:	285
Ion Ratio	Lower	Upper	
142	100		
141	94.4	74.3	111.5





#7

Acenaphthylene

Concen: 0.251 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Instrument :

BNA_M

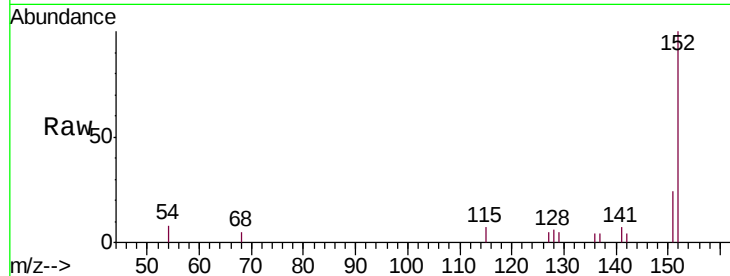
ClientSampleId :

BEP07

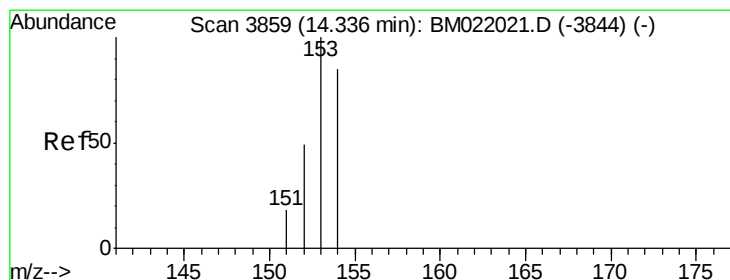
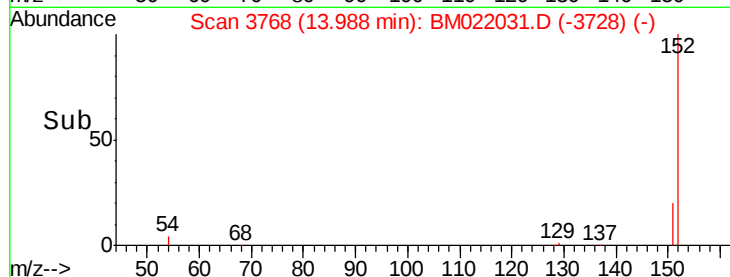
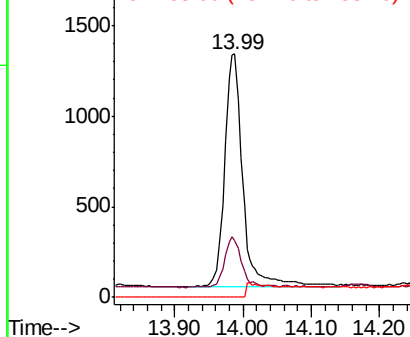
Tgt Ion:	152	Resp:	2188
Ion Ratio	Lower	Upper	
152	100		
151	23.5	18.3	27.5
153	0.0	12.8	19.2#

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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



#8

Acenaphthene

Concen: 0.066 ng/ul

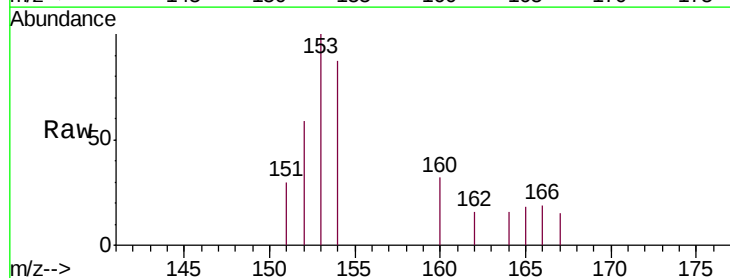
RT: 14.32 min Scan# 3856

Delta R.T. -0.02 min

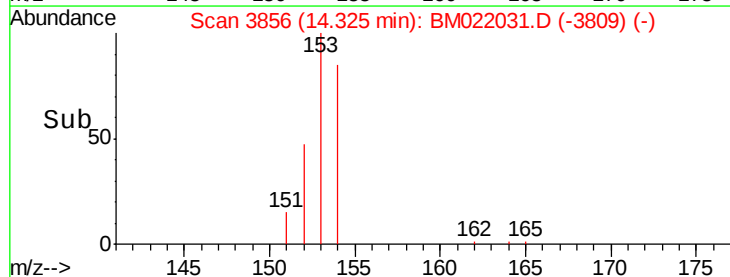
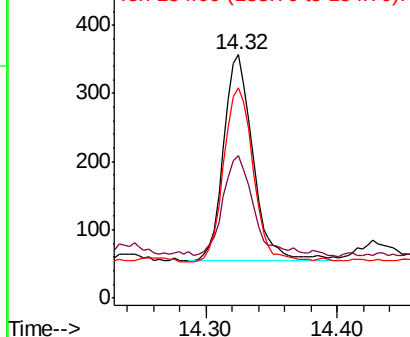
Lab File: BM022031.D

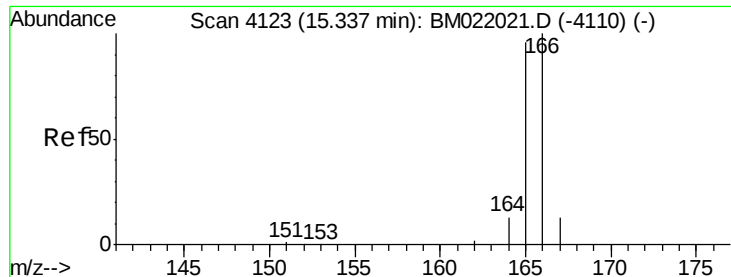
Acq: 12 Aug 2019 14:39

Tgt Ion:	153	Resp:	474
Ion Ratio	Lower	Upper	
153	100		
152	58.5	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





#9

Fluorene

Concen: 0.092 ng/ul

RT: 15.32 min Scan# 4118

Delta R.T. -0.03 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Instrument :

BNA_M

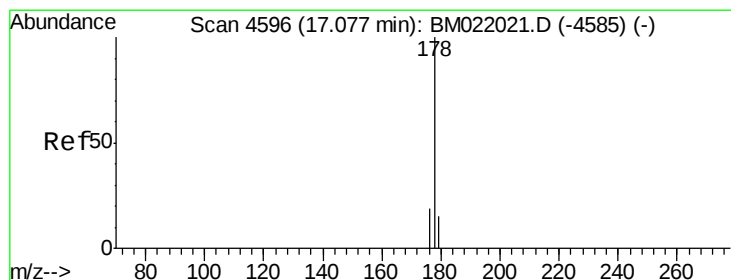
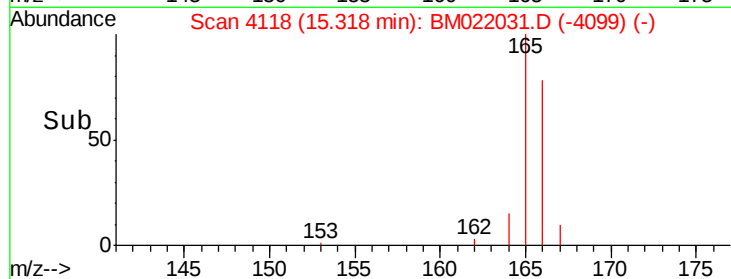
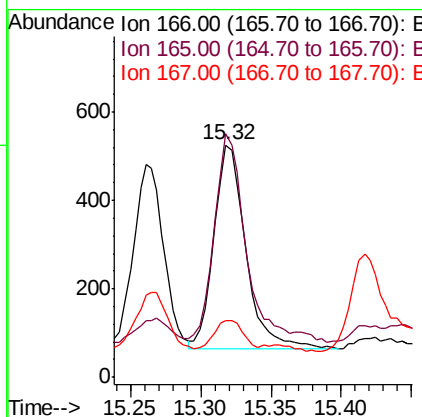
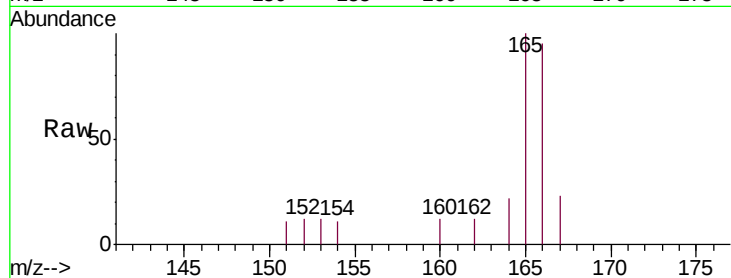
ClientSampleId :

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Tgt Ion:	166	Resp:	731
Ion Ratio	Lower	Upper	
166	100		
165	105.0	81.4	122.0
167	24.6	13.7	20.5#

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#12

Phenanthrene

Concen: 1.170 ng/ul m

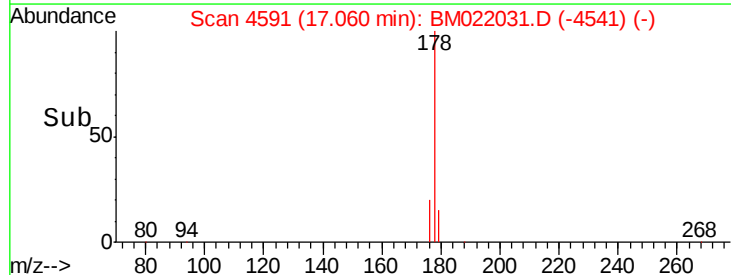
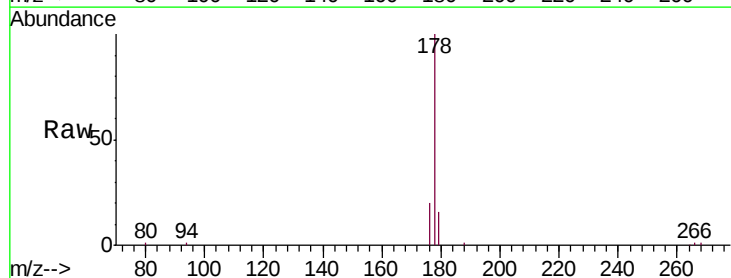
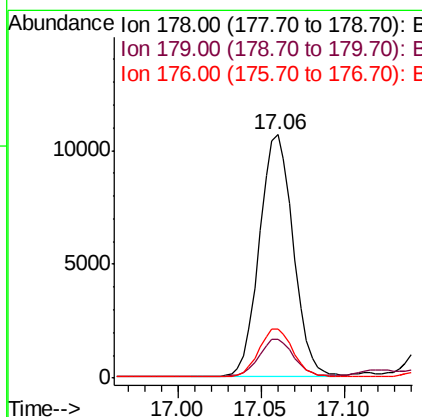
RT: 17.06 min Scan# 4591

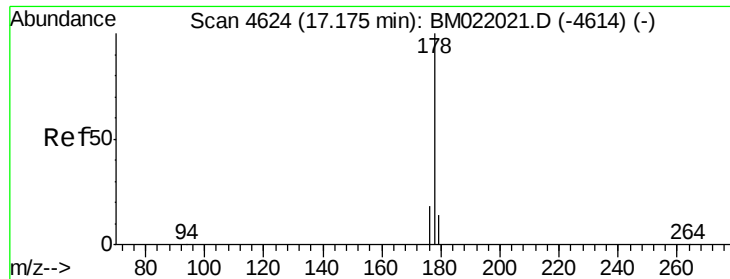
Delta R.T. -0.03 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Tgt Ion:	178	Resp:	15140
Ion Ratio	Lower	Upper	
178	100		
179	15.9	14.2	21.2
176	20.2	16.8	25.2





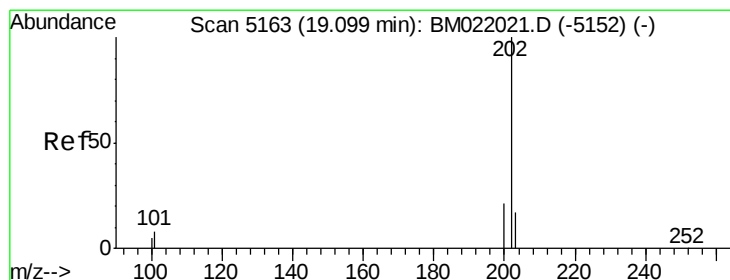
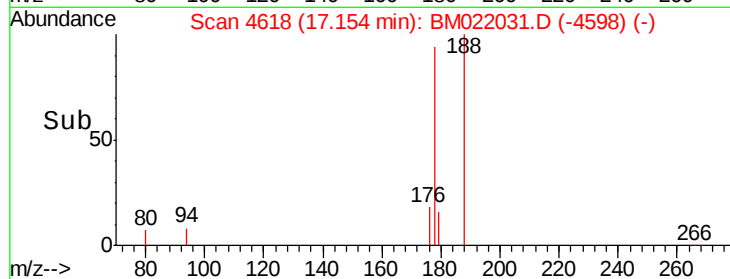
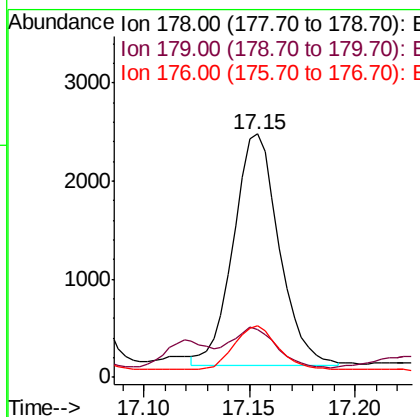
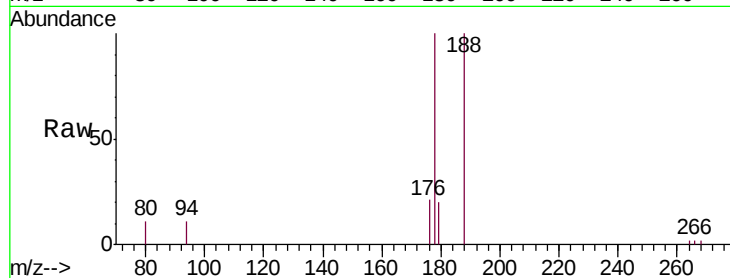
#13
 Anthracene
 Concen: 0.322 ng/ul m
 RT: 17.15 min Scan# 4618
 Delta R.T. -0.03 min
 Lab File: BM022031.D
 Acq: 12 Aug 2019 14:39

Instrument :
 BNA_M
 ClientSampleId :
 BEP07

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.7	15.5	23.3
176	21.2	16.6	25.0

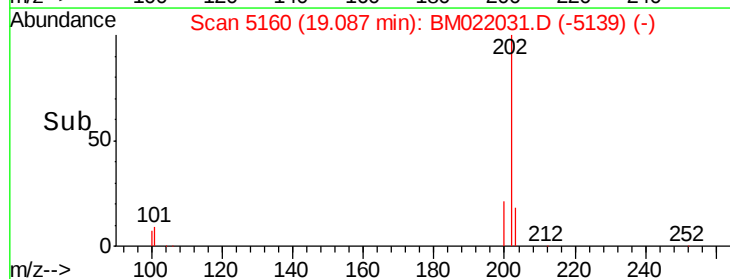
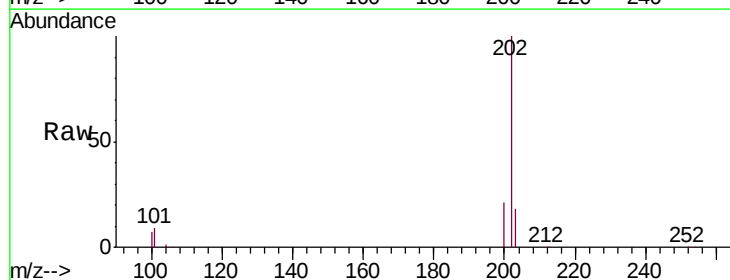
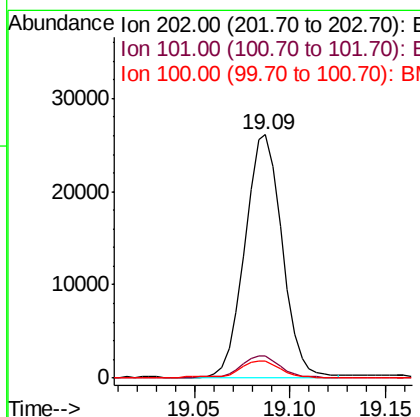
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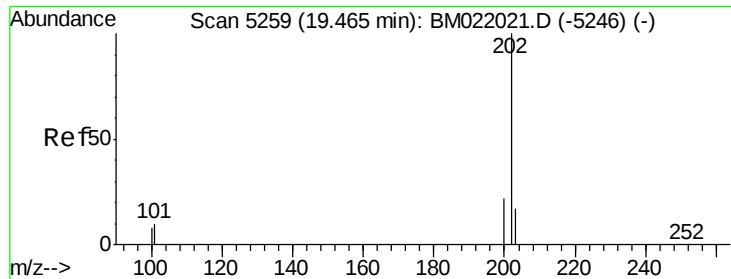
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#15
 Fluoranthene
 Concen: 2.048 ng/ul m
 RT: 19.09 min Scan# 5160
 Delta R.T. -0.02 min
 Lab File: BM022031.D
 Acq: 12 Aug 2019 14:39

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





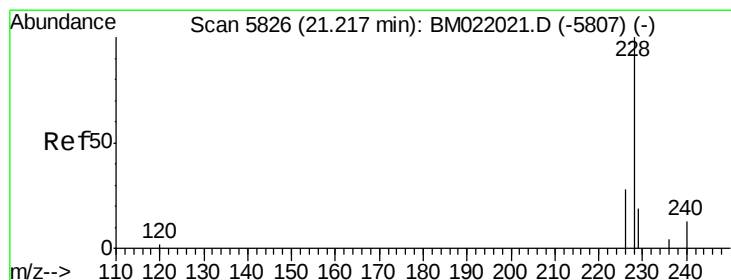
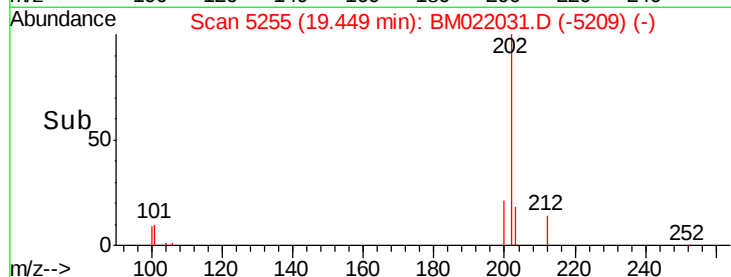
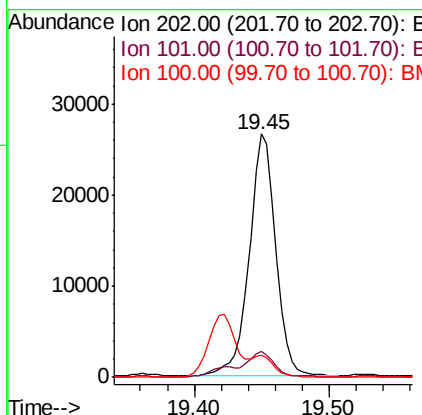
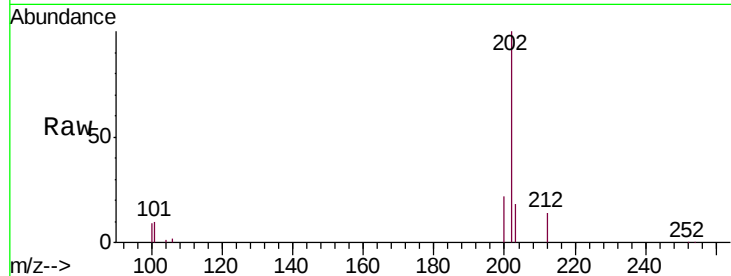
#17
 Pyrene
 Concen: 2.071 ng/ul
 RT: 19.45 min Scan# 5255
 Delta R.T. -0.02 min
 Lab File: BM022031.D
 Acq: 12 Aug 2019 14:39

Instrument :
 BNA_M
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.5	8.3	12.5
100	9.1	7.2	10.8

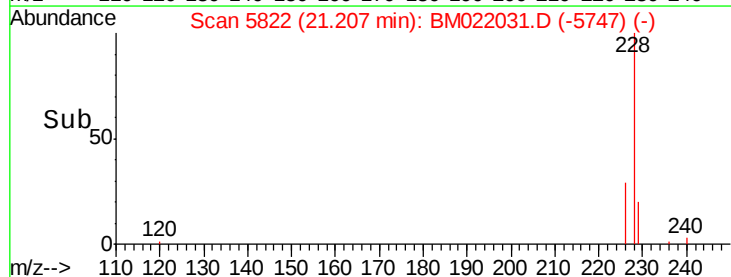
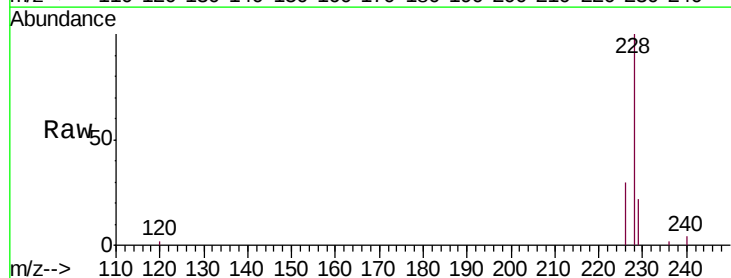
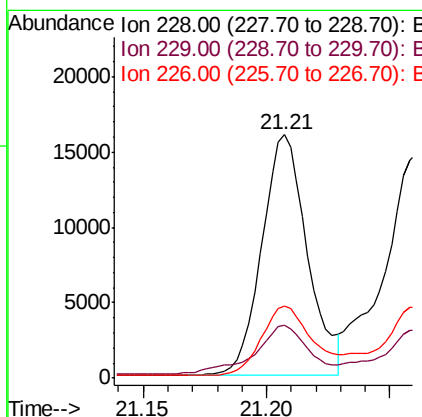
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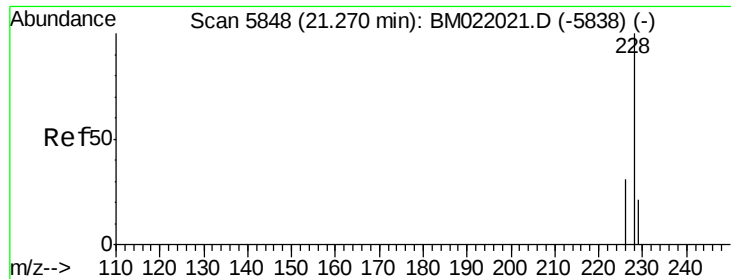
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#18
 Benzo(a)anthracene
 Concen: 1.362 ng/ul
 RT: 21.21 min Scan# 5822
 Delta R.T. -0.02 min
 Lab File: BM022031.D
 Acq: 12 Aug 2019 14:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.5	17.2	25.8
226	29.7	22.6	34.0





#19

Chrysene

Concen: 1.151 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.02 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Instrument :

BNA_M

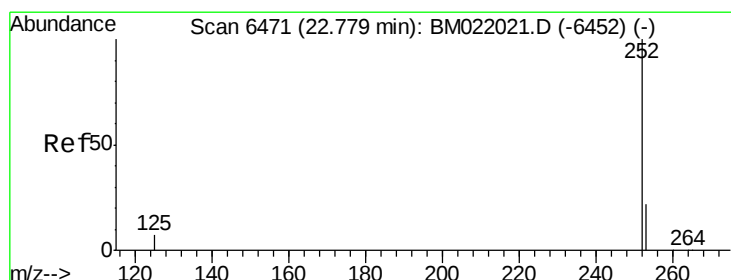
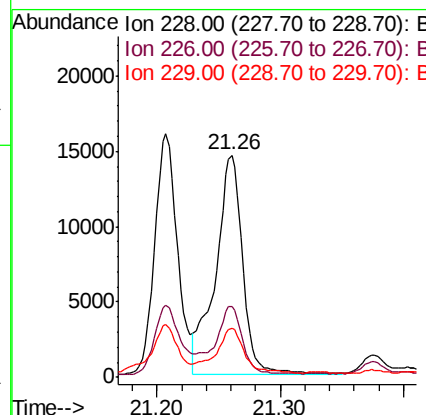
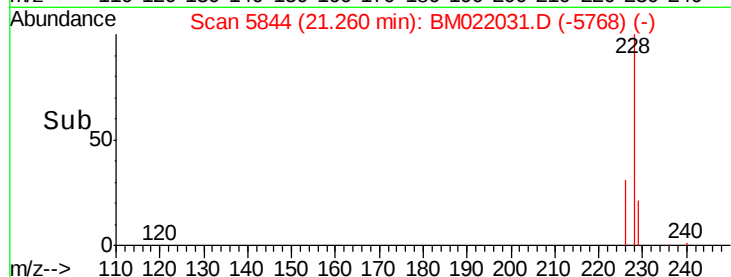
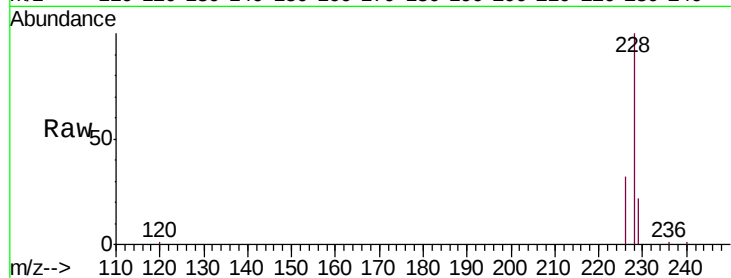
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Tgt Ion:	228	Resp:	22224
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	22.1	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 1.908 ng/ul m

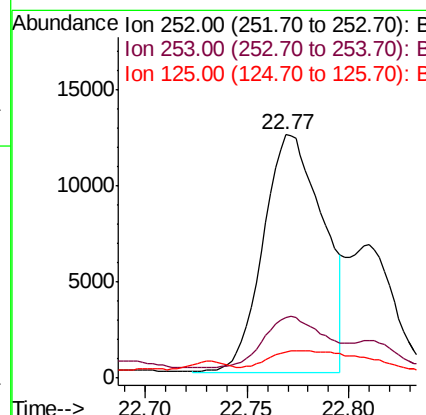
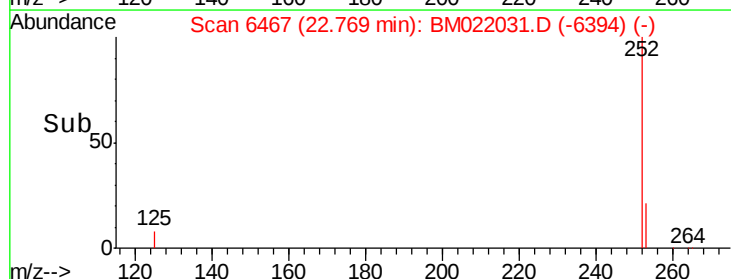
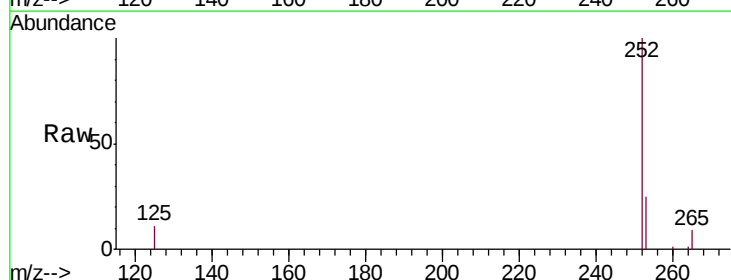
RT: 22.77 min Scan# 6467

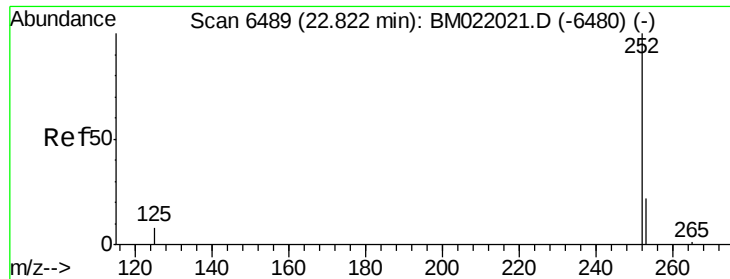
Delta R.T. -0.02 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Tgt Ion:	252	Resp:	25157
Ion	Ratio	Lower	Upper
252	100		
253	24.9	0.0	67.4
125	10.7	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.706 ng/ul m

RT: 22.81 min Scan# 6484

Delta R.T. -0.02 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Instrument :

BNA_M

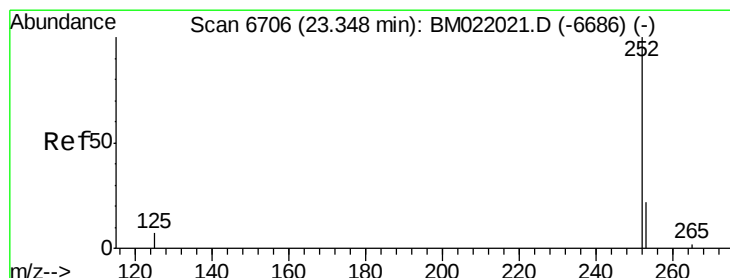
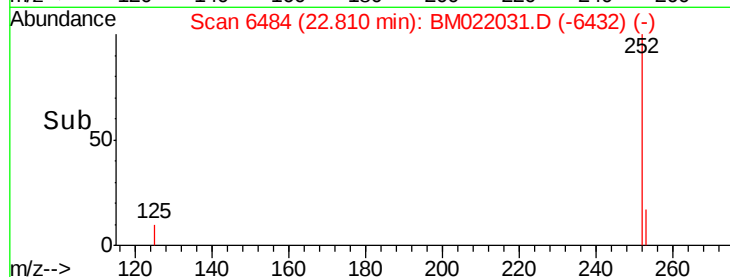
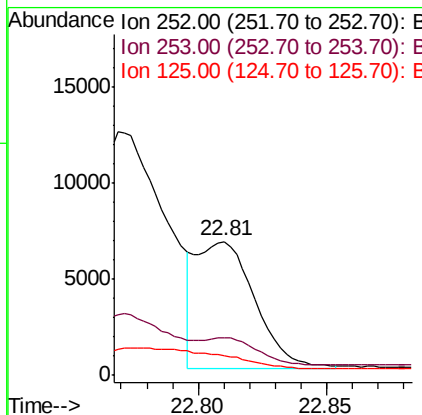
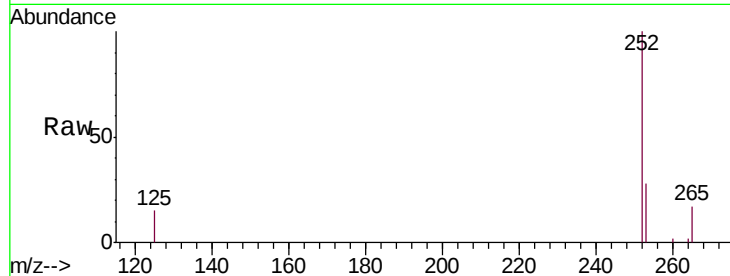
ClientSampleId :

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Tgt Ion:	252	Resp:	10539
Ion Ratio	Lower	Upper	
252	100		
253	28.1	27.0	40.4
125	14.8	12.2	18.2

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#23

Benzo(a)pyrene

Concen: 1.473 ng/ul

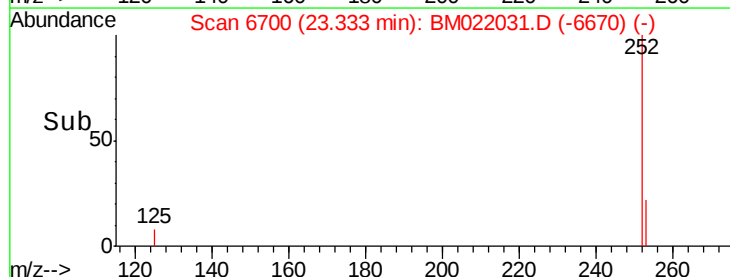
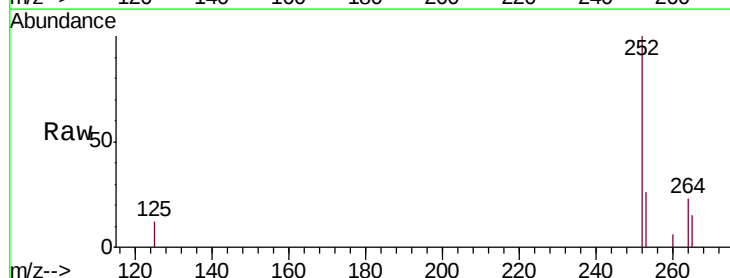
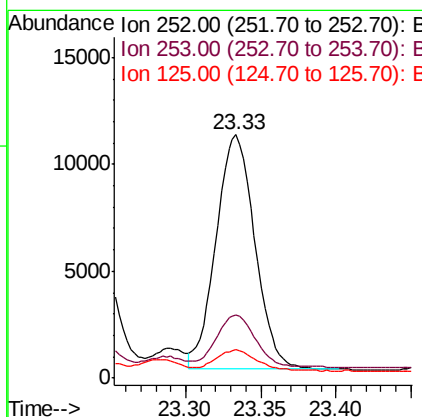
RT: 23.33 min Scan# 6700

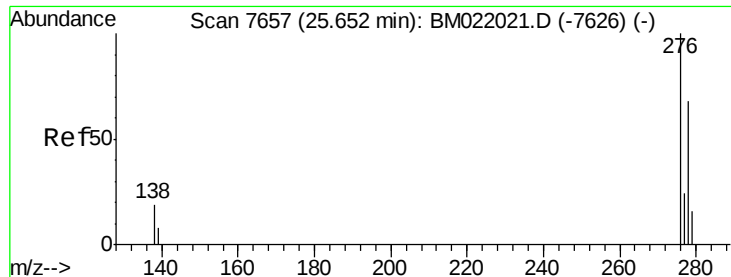
Delta R.T. -0.03 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

Tgt Ion:	252	Resp:	19747
Ion Ratio	Lower	Upper	
252	100		
253	25.9	31.7	47.5#
125	11.6	14.6	21.8#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.799 ng/u1

RT: 25.64 min Scan# 7652

Delta R.T. -0.04 min

Lab File: BM022031.D

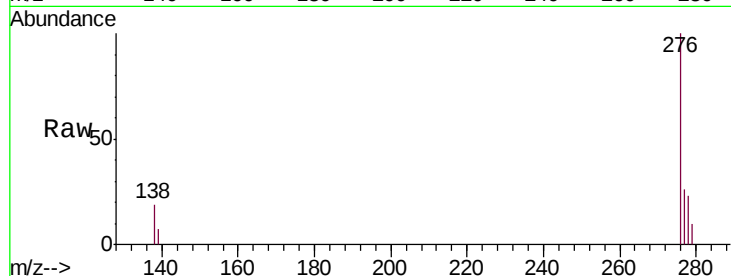
Acq: 12 Aug 2019 14:39

Instrument :

BNA_M

ClientSampleId :

BEP07



Tgt Ion:276 Resp: 12785

Ion Ratio Lower Upper

276 100

138 17.2 15.1 22.7

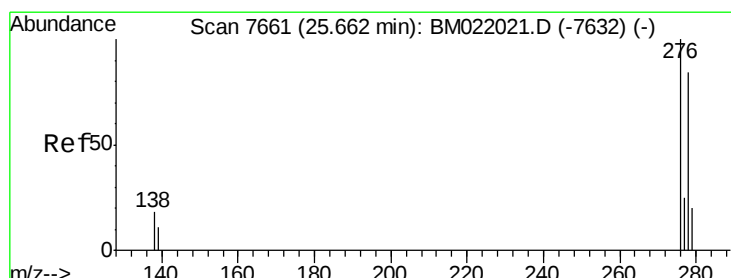
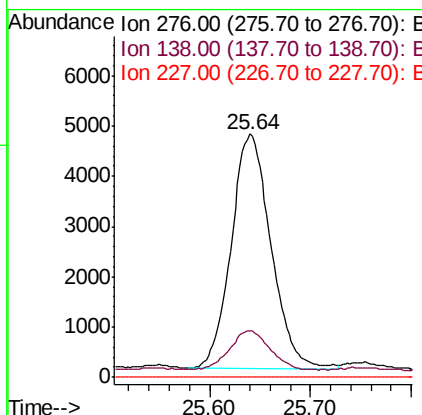
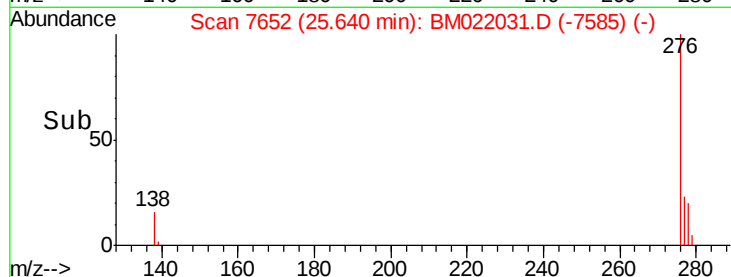
227 0.0 0.0 0.0

Manual Integrations

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#25

Dibenzo(a,h)anthracene

Concen: 0.266 ng/u1

RT: 25.64 min Scan# 7652

Delta R.T. -0.04 min

Lab File: BM022031.D

Acq: 12 Aug 2019 14:39

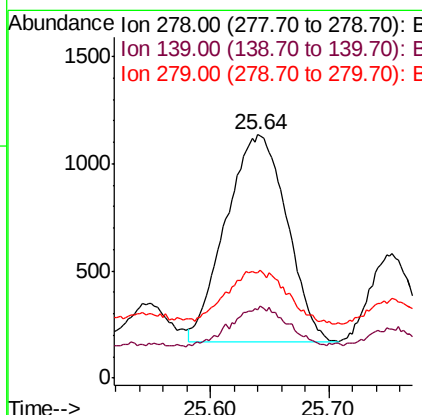
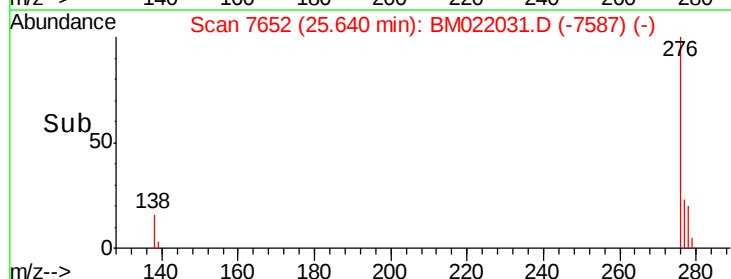
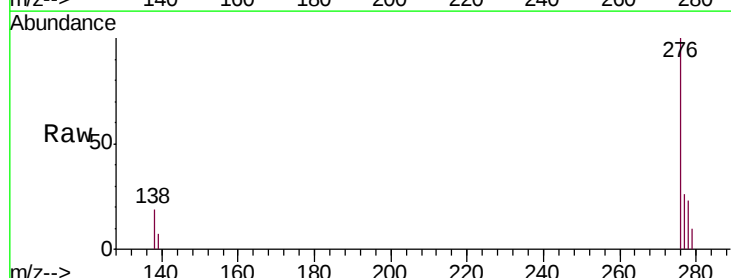
Tgt Ion:278 Resp: 3441

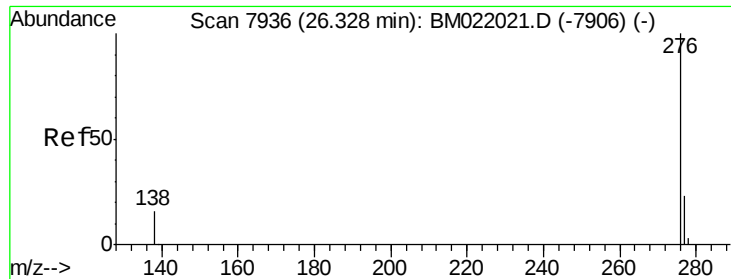
Ion Ratio Lower Upper

278 100

139 28.3 14.2 21.2#

279 43.3 28.3 42.5#





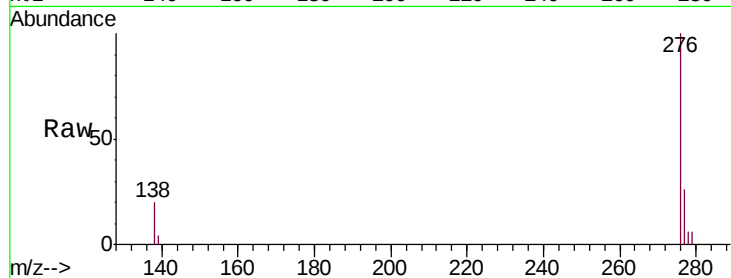
#26
 Benzo(g,h,i)perylene
 Concen: 0.874 ng/u1
 RT: 26.32 min Scan# 7932
 Delta R.T. -0.04 min
 Lab File: BM022031.D
 Acq: 12 Aug 2019 14:39

Instrument :
 BNA_M
 ClientSampleId :
 BEP07

Tgt	Ion	276	Resp:	12598
	Ratio	100	Lower	Upper
	276	100		
	138	19.6	15.5	23.3
	277	26.4	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:47:28 AM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

