

Data File : BM027617.D
Acq On : 05 Oct 2020 22:13
Operator : JU/CG
Sample : L4184-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AN1

Quant Time: Oct 06 01:25:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 06 01:23:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1305	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3728	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	2693	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.16	188	6735	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	7706	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8256	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	993	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.19	212	3395	0.18	ng/ul	0.00

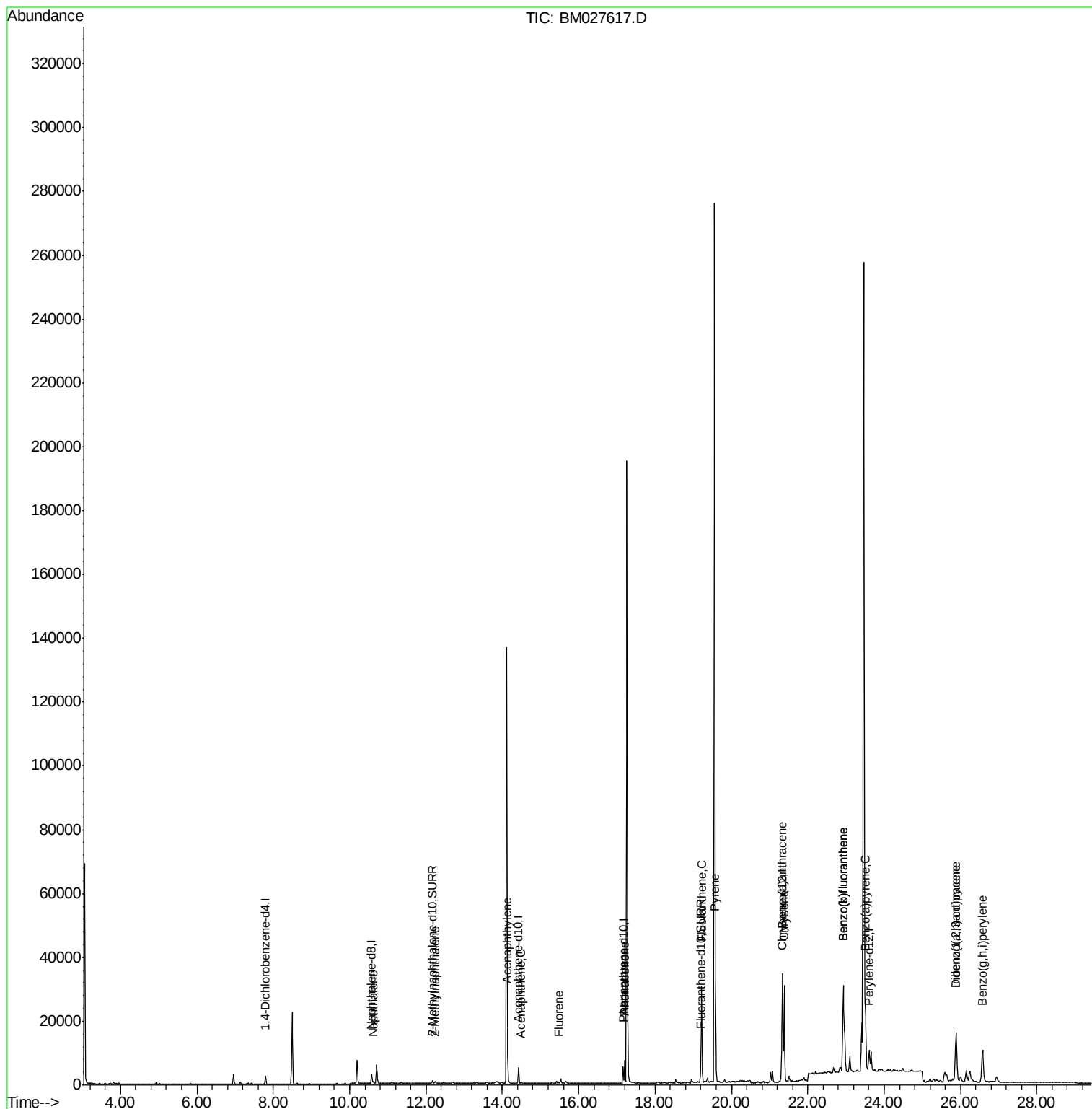
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	626	0.057	ng/ul#	79
5) 2-Methylnaphthalene	12.24	142	341	0.043	ng/ul	99
7) Acenaphthylene	14.14	152	2786	0.203	ng/ul	98
8) Acenaphthene	14.49	153	211	0.022	ng/ul#	91
9) Fluorene	15.47	166	300	0.025	ng/ul#	85
12) Phenanthrene	17.21	178	7491	0.360	ng/ul	98
13) Anthracene	17.21	178	5590	0.275	ng/ul	98
15) Fluoranthene	19.22	202	27372	1.095	ng/ul	97
17) Pyrene	19.58	202	27599	0.785	ng/ul#	97
18) Benzo(a)anthracene	21.33	228	27212	0.900	ng/ul	97
19) Chrysene	21.38	228	29107	0.930	ng/ul	98
21) Benzo(b)fluoranthene	22.92	252	63320	1.904	ng/ul	99
22) Benzo(k)fluoranthene	22.92	252	63320	1.831	ng/ul	98
23) Benzo(a)pyrene	23.51	252	30986	1.041	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.88	276	27326	0.713	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.89	278	7608	0.240	ng/ul#	84
26) Benzo(g,h,i)perylene	26.58	276	22658	0.700	ng/ul	98

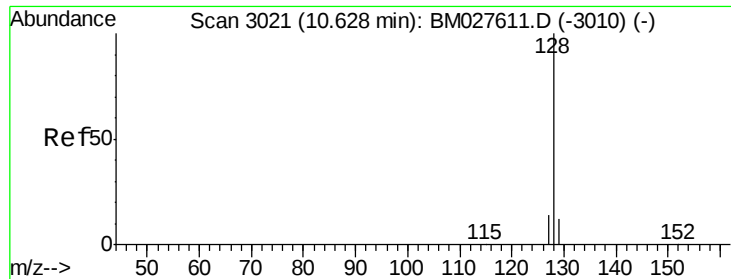
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.057 ng/ul

RT: 10.63 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1

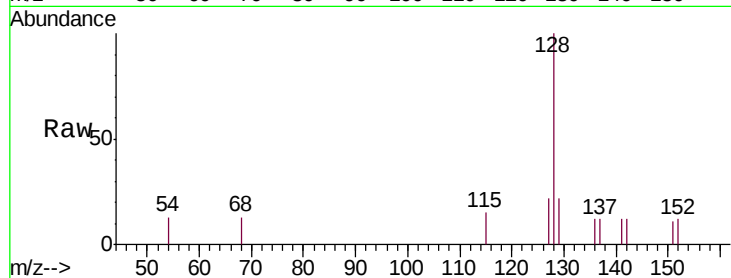
Tgt Ion:128 Resp: 626

Ion Ratio Lower Upper

128 100

129 22.0 9.9 14.9#

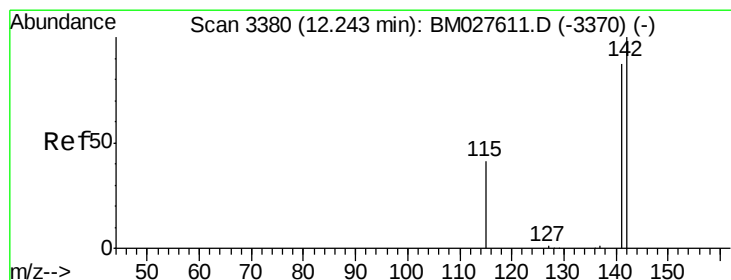
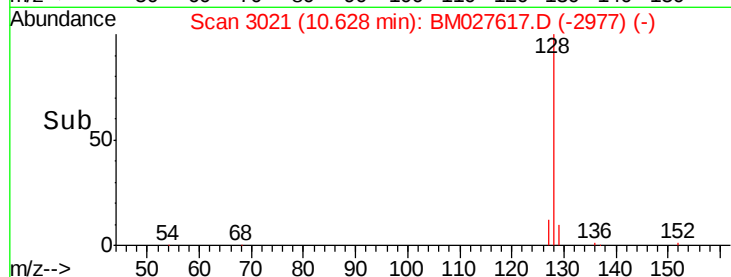
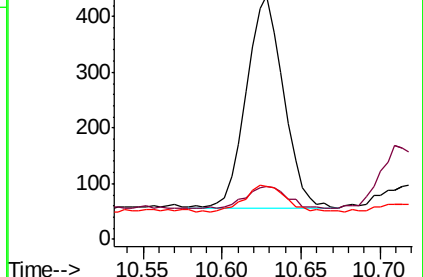
127 21.5 11.4 17.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.043 ng/ul

RT: 12.24 min Scan# 3380

Delta R.T. -0.00 min

Lab File: BM027617.D

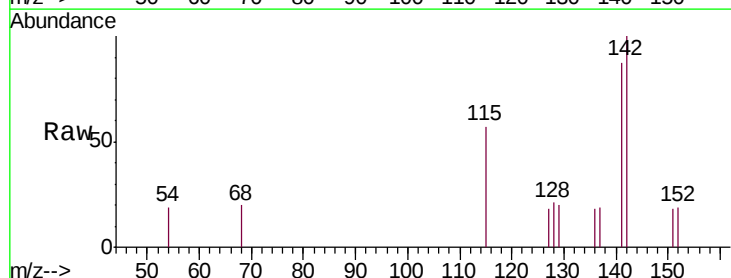
Acq: 05 Oct 2020 22:13

Tgt Ion:142 Resp: 341

Ion Ratio Lower Upper

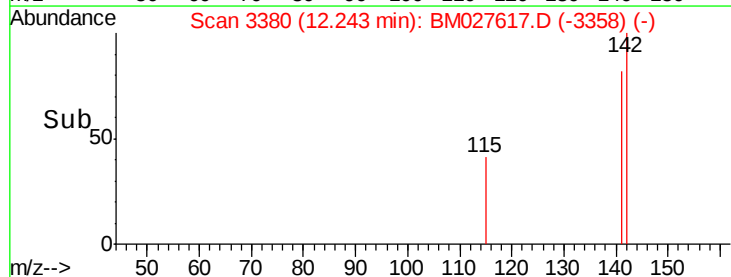
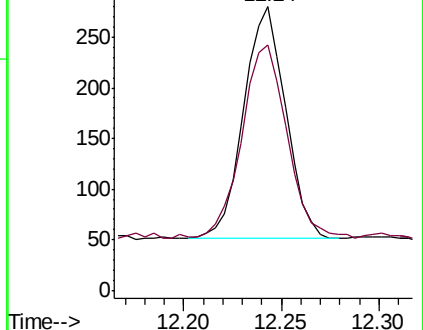
142 100

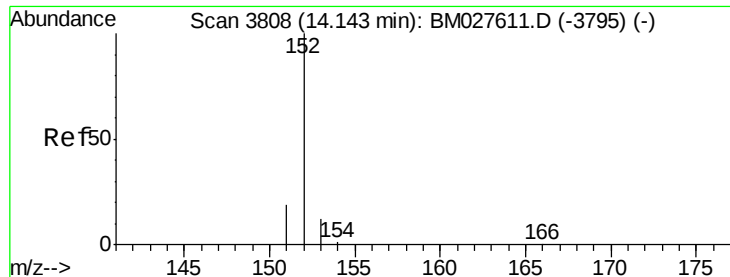
141 89.1 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.203 ng/ul

RT: 14.14 min Scan# 3808

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1

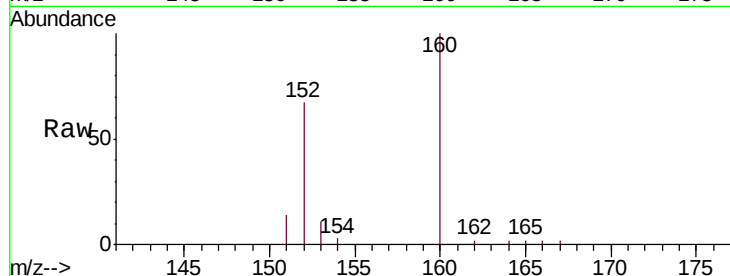
Tgt Ion:152 Resp: 2786

Ion Ratio Lower Upper

152 100

151 21.4 16.6 24.8

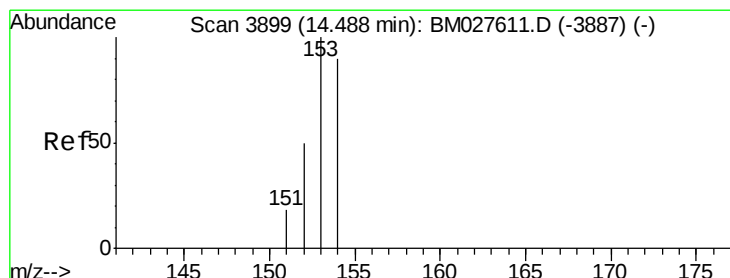
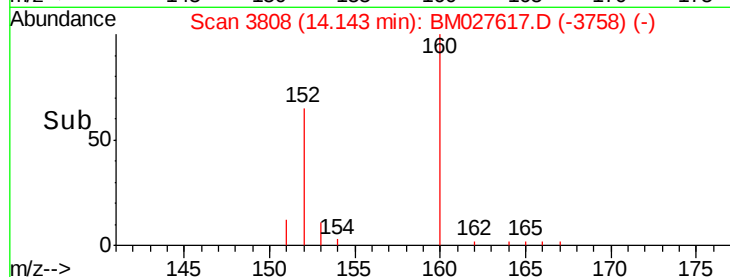
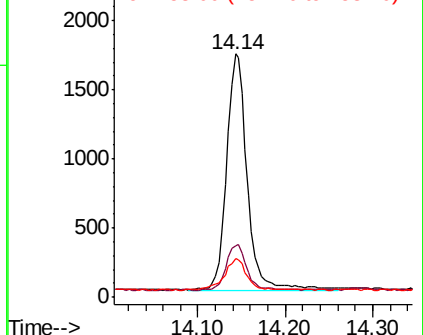
153 15.7 11.4 17.0



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: 0.022 ng/ul

RT: 14.49 min Scan# 3899

Delta R.T. 0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

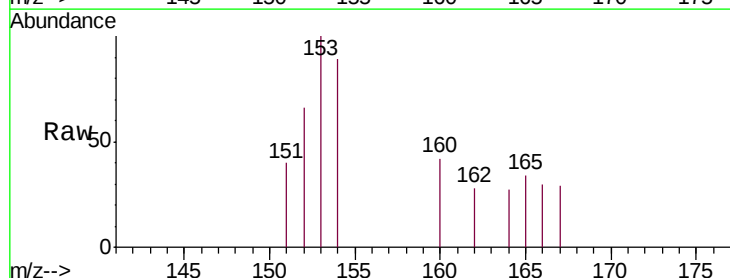
Tgt Ion:153 Resp: 211

Ion Ratio Lower Upper

153 100

152 66.5 42.8 64.2#

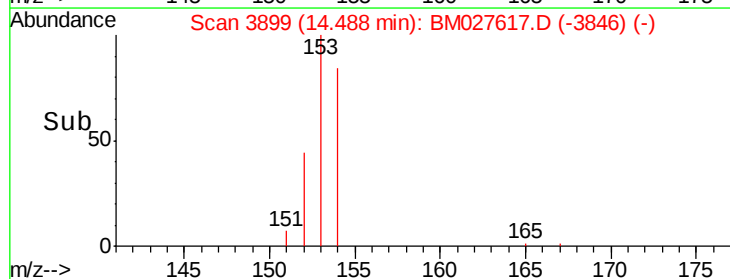
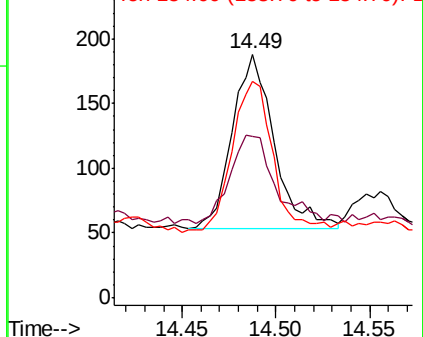
154 88.8 69.0 103.6

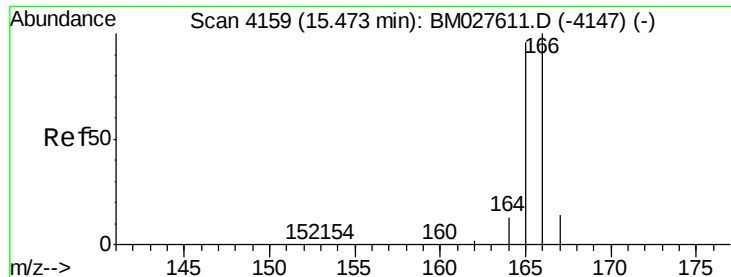


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.025 ng/ul

RT: 15.47 min Scan# 4159

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1

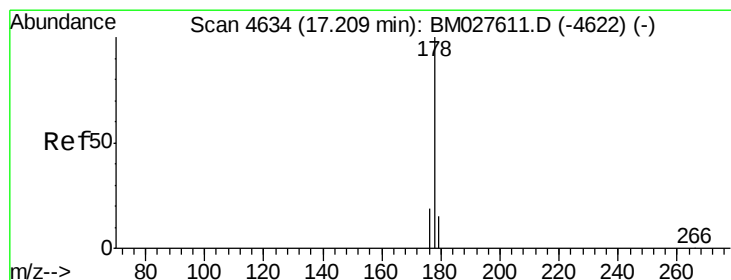
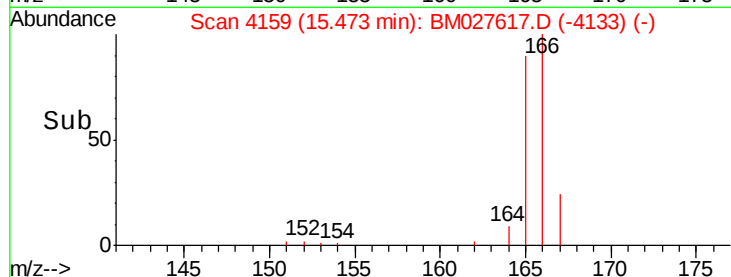
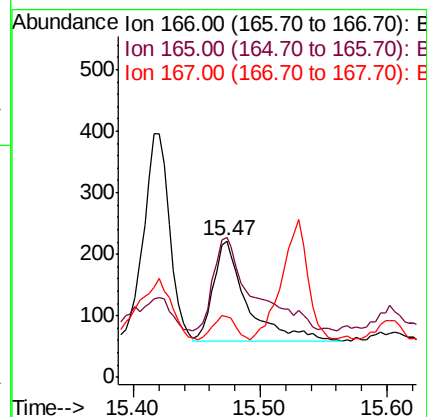
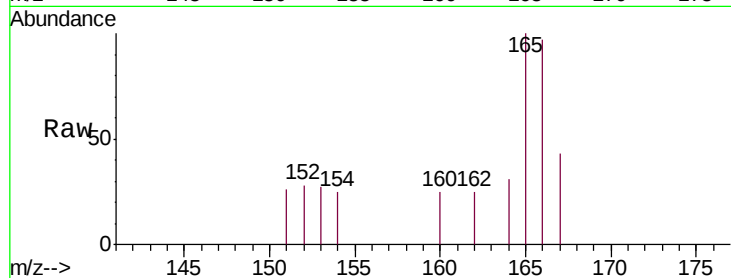
Tgt Ion:166 Resp: 300

Ion Ratio Lower Upper

166 100

165 102.7 77.2 115.8

167 44.6 11.1 16.7#



#12

Phenanthrene

Concen: 0.360 ng/ul

RT: 17.21 min Scan# 4633

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

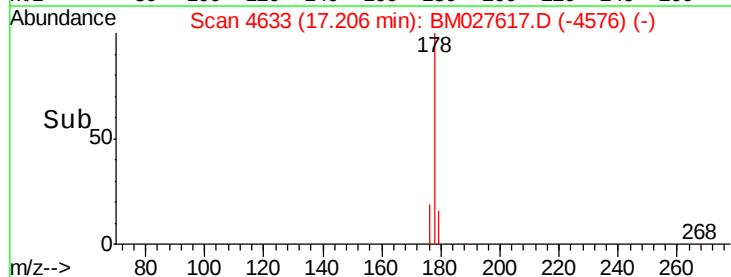
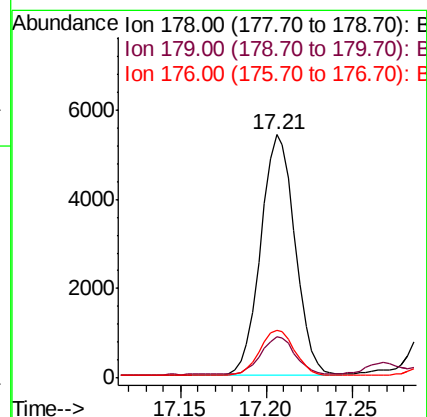
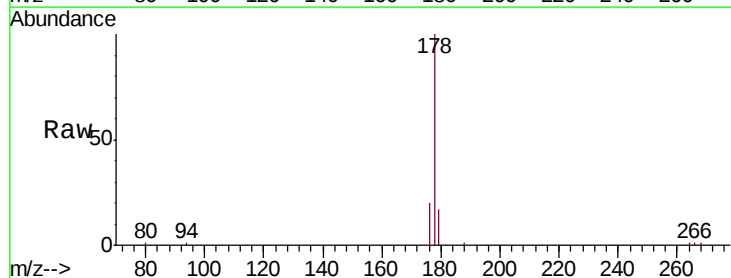
Tgt Ion:178 Resp: 7491

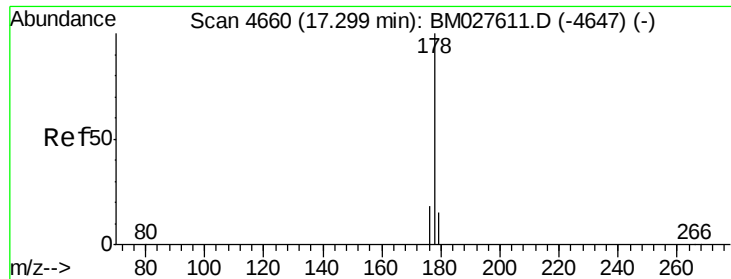
Ion Ratio Lower Upper

178 100

179 17.1 12.9 19.3

176 19.8 15.3 22.9





#13

Anthracene

Concen: 0.275 ng/ul

RT: 17.21 min Scan# 4633

Delta R.T. -0.09 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1

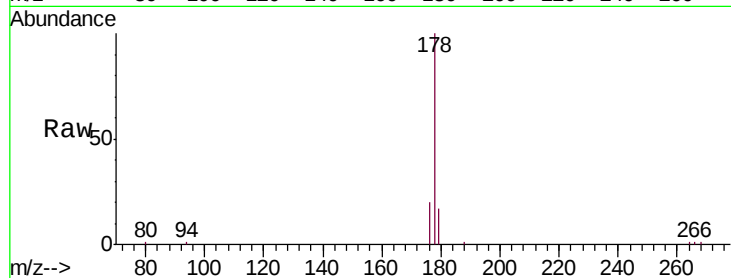
Tgt Ion:178 Resp: 5590

Ion Ratio Lower Upper

178 100

179 17.1 13.0 19.4

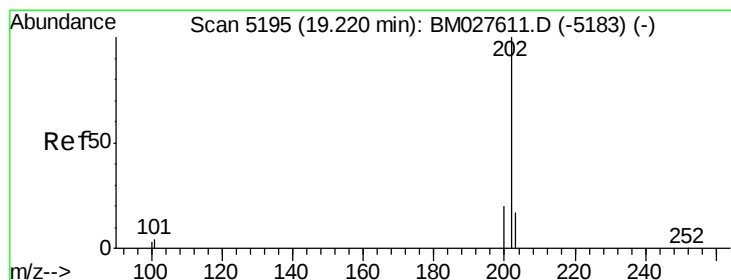
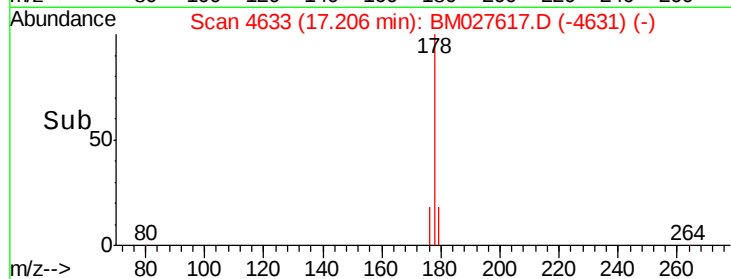
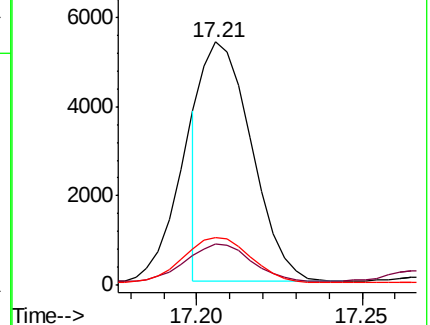
176 19.8 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.095 ng/ul

RT: 19.22 min Scan# 5195

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

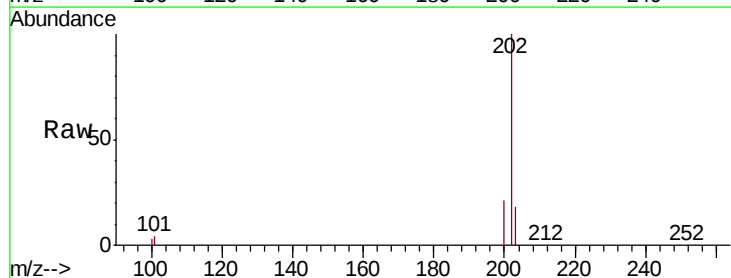
Tgt Ion:202 Resp: 27372

Ion Ratio Lower Upper

202 100

101 4.0 0.0 24.9

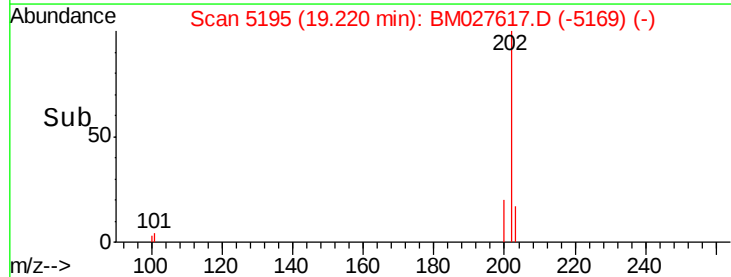
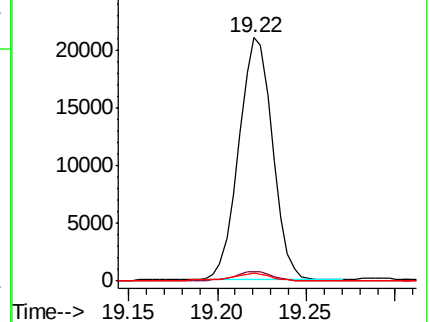
100 3.1 0.0 24.1

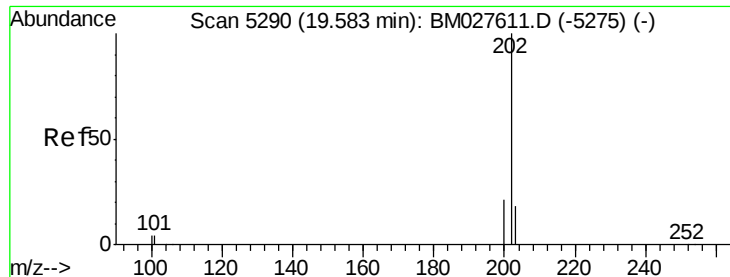


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

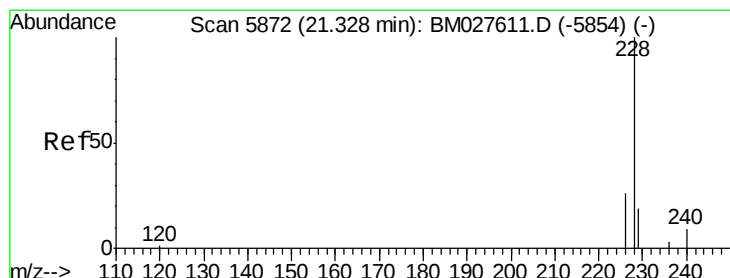
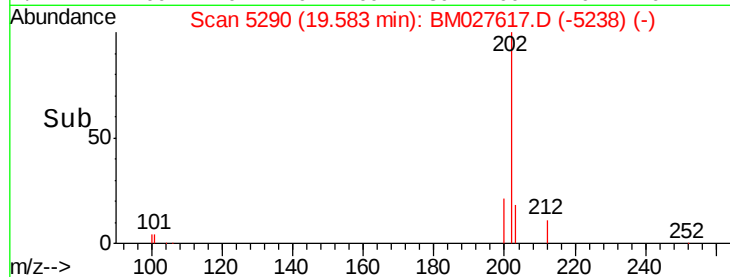
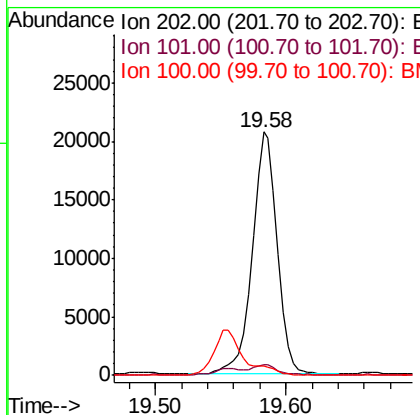
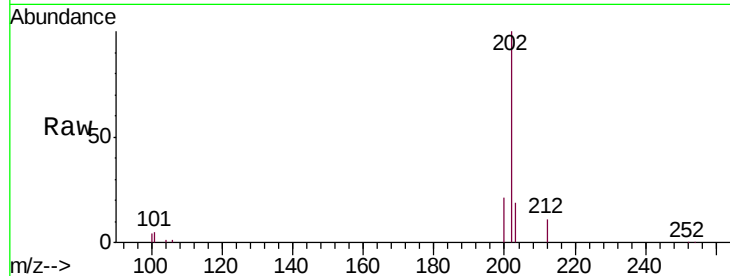




#17
Pyrene
Concen: 0.785 ng/ul
RT: 19.58 min Scan# 5290
Delta R.T. -0.00 min
Lab File: BM027617.D
Acq: 05 Oct 2020 22:13

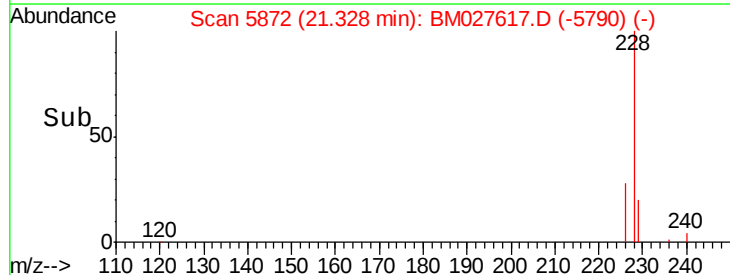
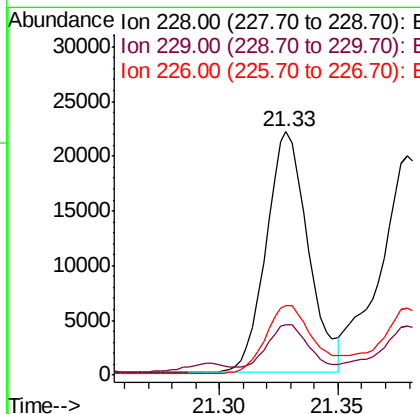
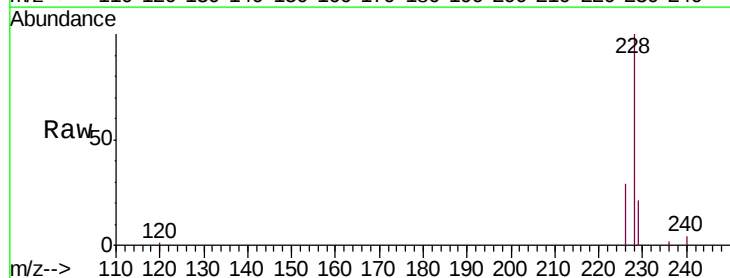
Instrument :
BNA_M
ClientSampled :
C0AN1

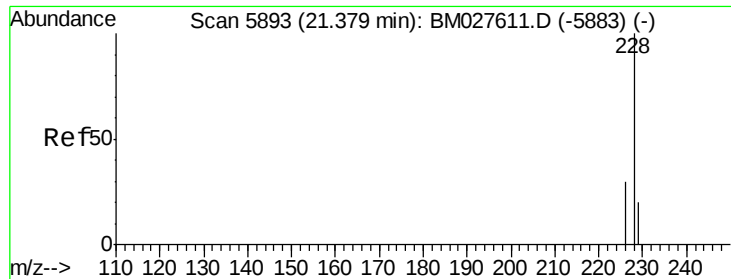
Tgt Ion:202 Resp: 27599
Ion Ratio Lower Upper
202 100
101 4.6 4.7 7.1#
100 4.1 3.9 5.9



#18
Benzo(a)anthracene
Concen: 0.900 ng/ul
RT: 21.33 min Scan# 5872
Delta R.T. -0.00 min
Lab File: BM027617.D
Acq: 05 Oct 2020 22:13

Tgt Ion:228 Resp: 27212
Ion Ratio Lower Upper
228 100
229 20.8 15.6 23.4
226 28.8 21.8 32.8





#19

Chrysene

Concen: 0.930 ng/ul

RT: 21.38 min Scan# 5893

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1

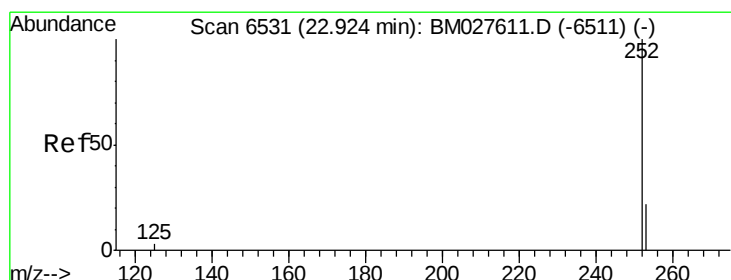
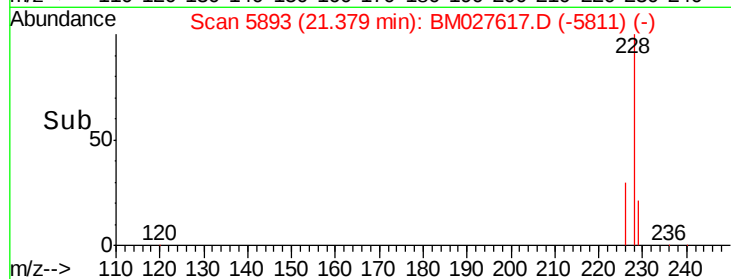
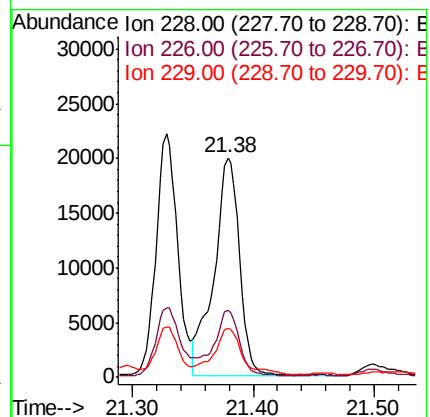
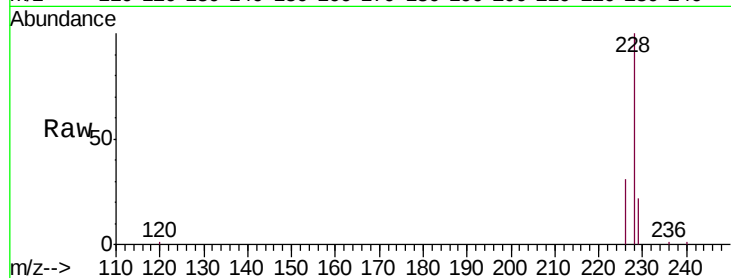
Tgt Ion:228 Resp: 29107

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.4

229 22.2 15.8 23.8



#21

Benzo(b)fluoranthene

Concen: 1.904 ng/ul

RT: 22.92 min Scan# 6531

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

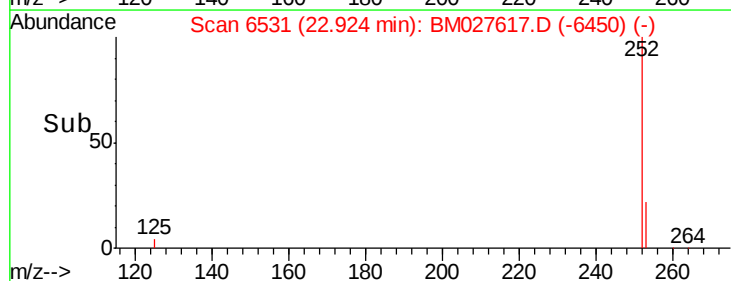
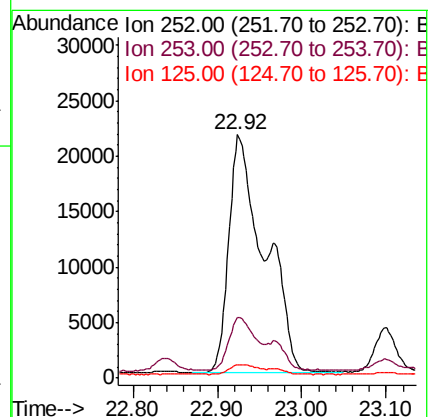
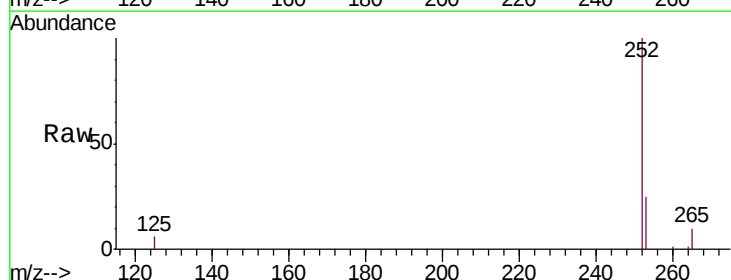
Tgt Ion:252 Resp: 63320

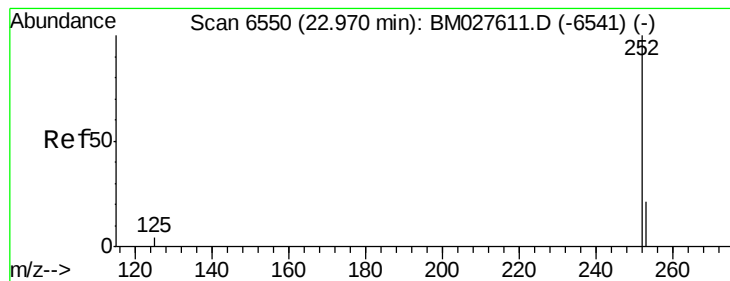
Ion Ratio Lower Upper

252 100

253 24.9 0.0 48.2

125 5.7 0.0 10.6





#22

Benzo(k)fluoranthene

Concen: 1.831 ng/ul

RT: 22.92 min Scan# 6531

Delta R.T. -0.05 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1

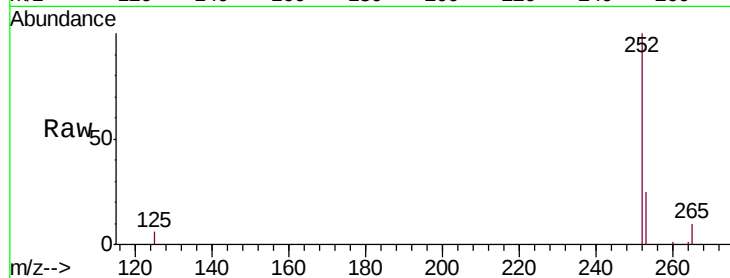
Tgt Ion:252 Resp: 63320

Ion Ratio Lower Upper

252 100

253 24.9 19.1 28.7

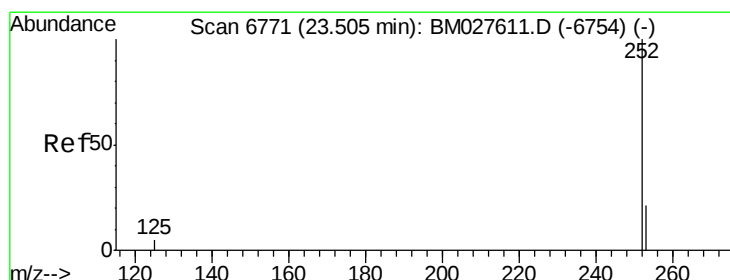
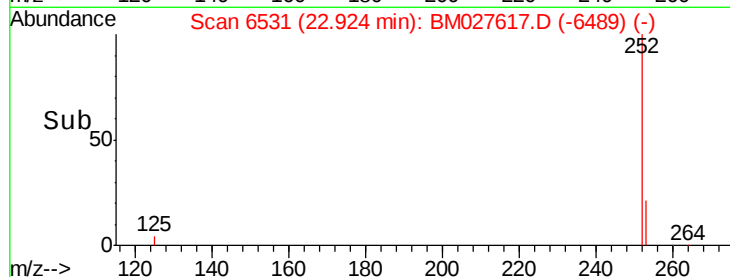
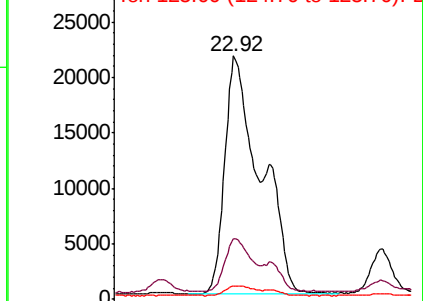
125 5.7 5.0 7.4



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: 1.041 ng/ul

RT: 23.51 min Scan# 6771

Delta R.T. -0.00 min

Lab File: BM027617.D

Acq: 05 Oct 2020 22:13

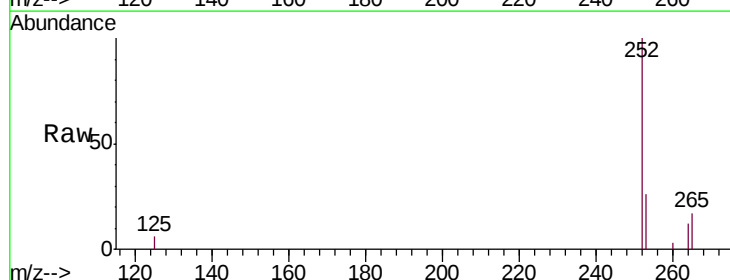
Tgt Ion:252 Resp: 30986

Ion Ratio Lower Upper

252 100

253 25.7 19.6 29.4

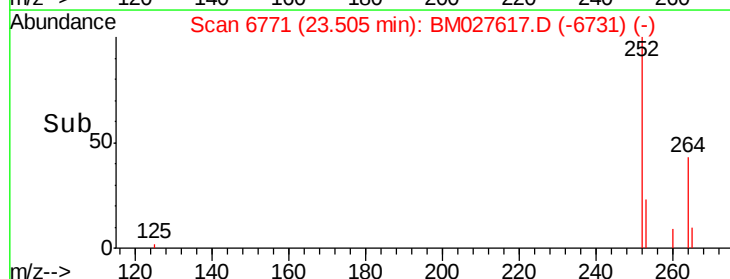
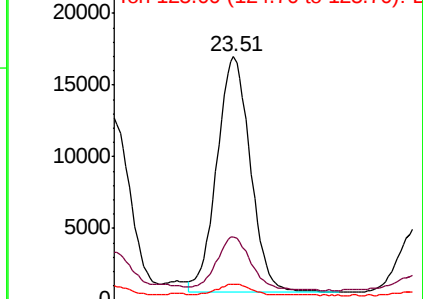
125 6.5 5.0 7.6

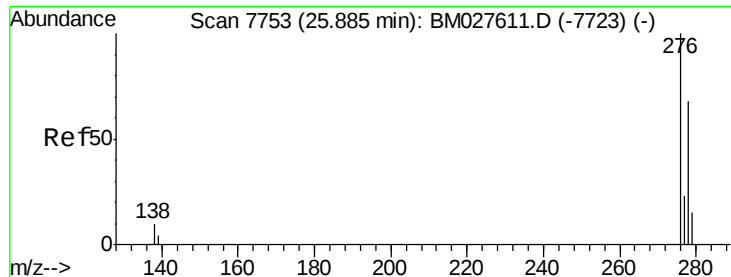


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



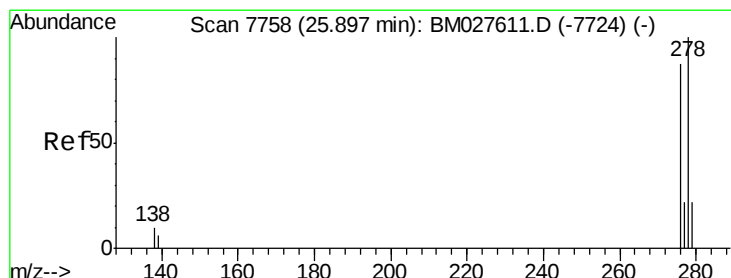
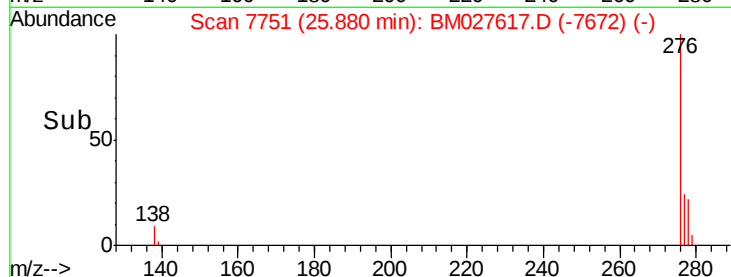
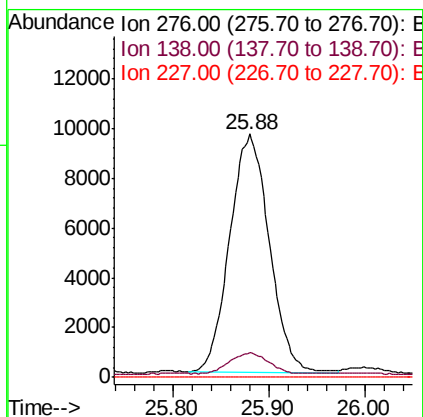
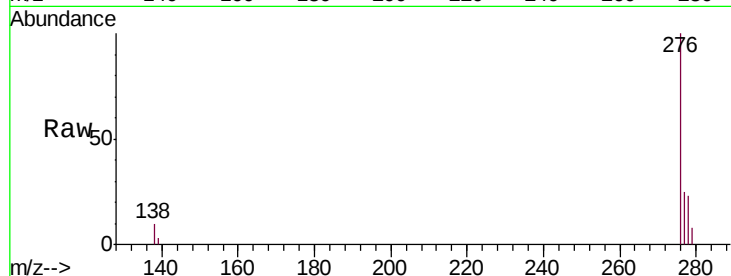


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.713 ng/ul
RT: 25.88 min Scan# 7751
Delta R.T. -0.01 min
Lab File: BM027617.D
Acq: 05 Oct 2020 22:13

Instrument :
BNA_M
ClientSampleId :
C0AN1

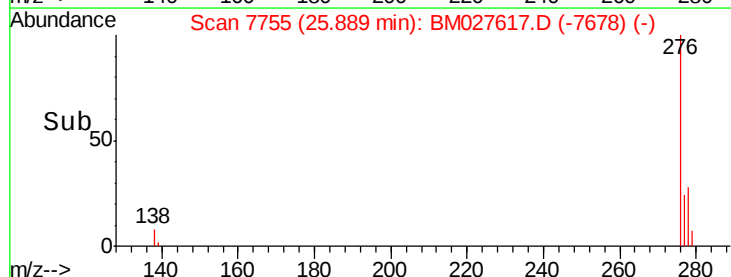
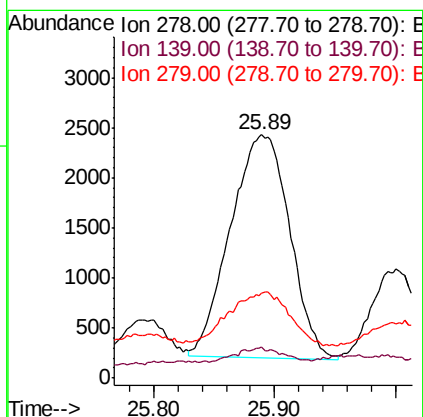
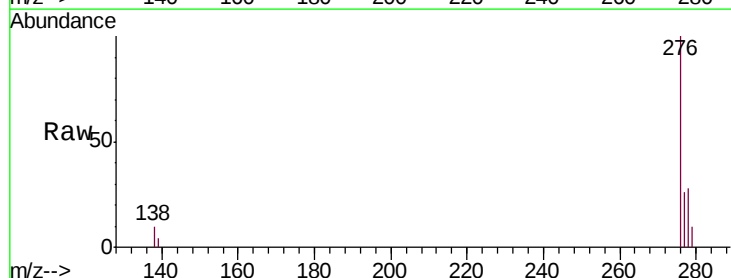
Tgt Ion: 276 Resp: 27326
Ion Ratio Lower Upper
276 100
138 8.8 8.6 12.8
227 0.0 0.0 0.0

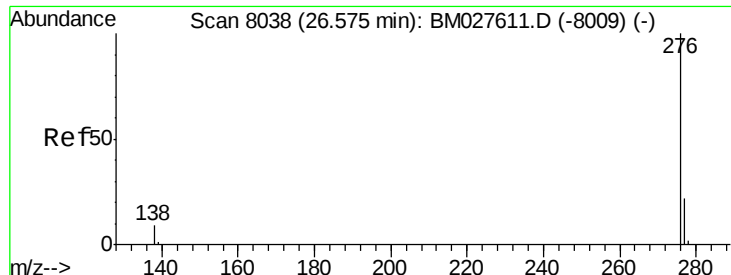


#25

Dibenzo(a,h)anthracene
Concen: 0.240 ng/ul
RT: 25.89 min Scan# 7755
Delta R.T. -0.01 min
Lab File: BM027617.D
Acq: 05 Oct 2020 22:13

Tgt Ion: 278 Resp: 7608
Ion Ratio Lower Upper
278 100
139 12.8 7.6 11.4#
279 35.0 20.7 31.1#





#26

Benzo(g,h,i)perylene

Concen: 0.700 ng/ul

RT: 26.58 min Scan# 8039

Delta R.T. -0.01 min

Lab File: BM027617.D

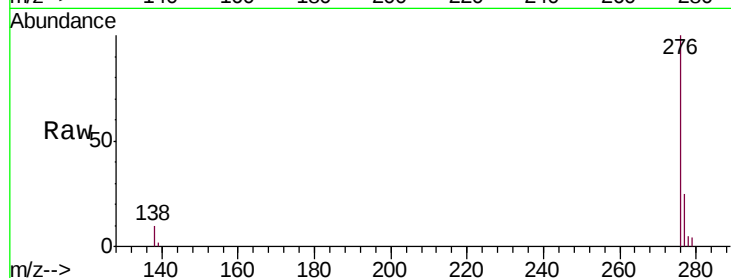
Acq: 05 Oct 2020 22:13

Instrument :

BNA_M

ClientSampleId :

C0AN1



Tgt Ion: 276 Resp: 22658

Ion Ratio Lower Upper

276 100

138 10.3 9.0 13.4

277 25.4 19.4 29.0

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

