

Data File : BM027591.D
Acq On : 02 Oct 2020 21:11
Operator : JU/CG
Sample : L4166-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC7

Quant Time: Oct 03 01:38:12 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 : Fri Oct 02 13:04:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1146	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	3383	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	2455	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.17	188	6060	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	6506	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	6820	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.17	152	762	0.12	ng/ul	0.00
14) Fluoranthene-d10	19.20	212	2467	0.15	ng/ul	0.00

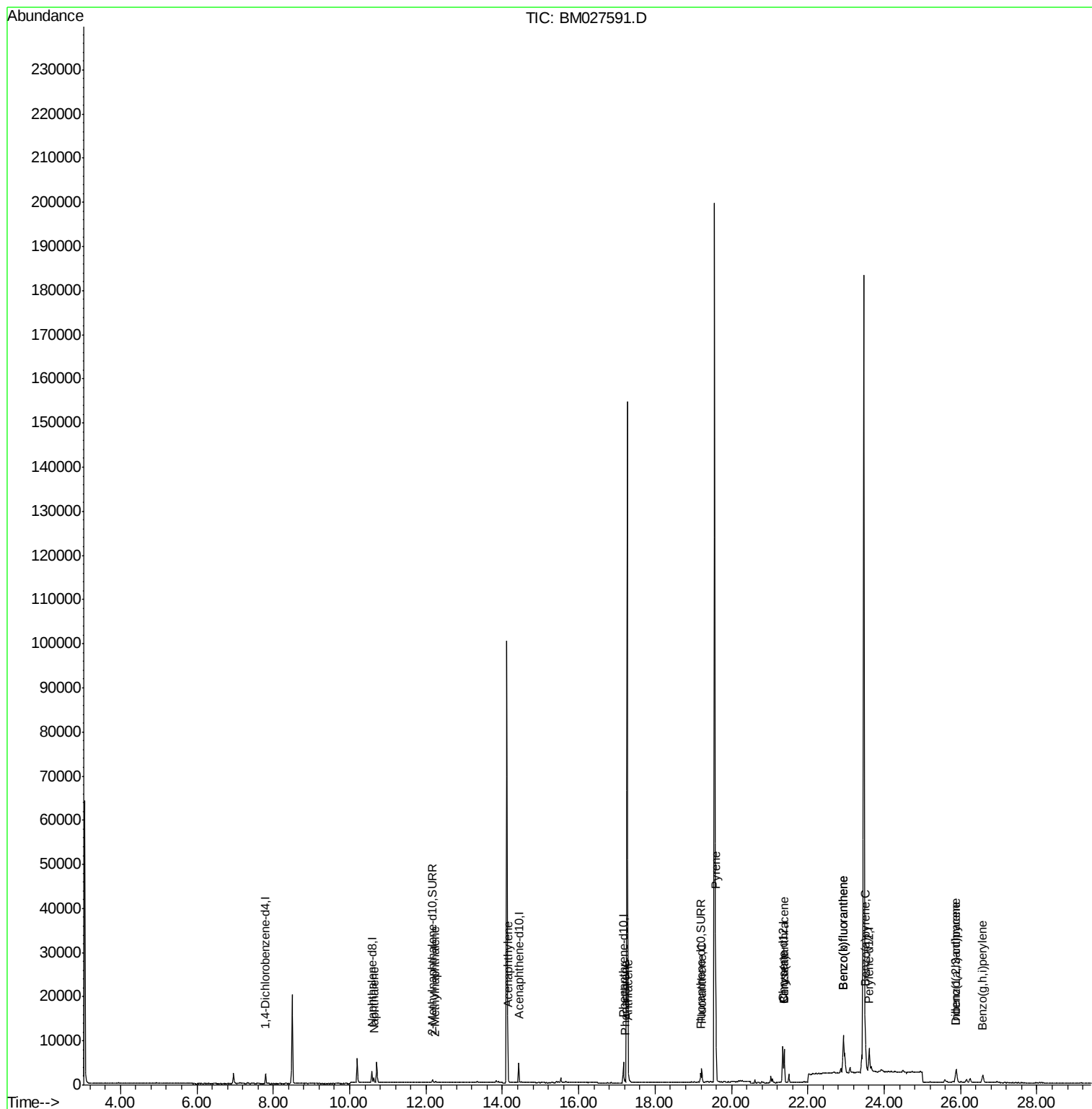
Target Compounds				Qvalue		
3) Naphthalene	10.63	128	1268	0.128	ng/ul#	90
5) 2-Methylnaphthalene	12.25	142	161	0.022	ng/ul	97
7) Acenaphthylene	14.15	152	676	0.054	ng/ul#	83
12) Phenanthrene	17.21	178	775	0.041	ng/ul#	81
13) Anthracene	17.30	178	994	0.054	ng/ul#	83
15) Fluoranthene	19.22	202	2880	0.128	ng/ul	97
17) Pyrene	19.58	202	23108	0.778	ng/ul	97
18) Benzo(a)anthracene	21.38	228	7597	0.298	ng/ul	95
19) Chrysene	21.38	228	7597	0.287	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	19708	0.717	ng/ul	94
22) Benzo(k)fluoranthene	22.93	252	19708	0.690	ng/ul	94
23) Benzo(a)pyrene	23.51	252	8668	0.352	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.88	276	5276	0.167	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.89	278	1805	0.069	ng/ul#	62
26) Benzo(g,h,i)perylene	26.58	276	3941	0.147	ng/ul#	92

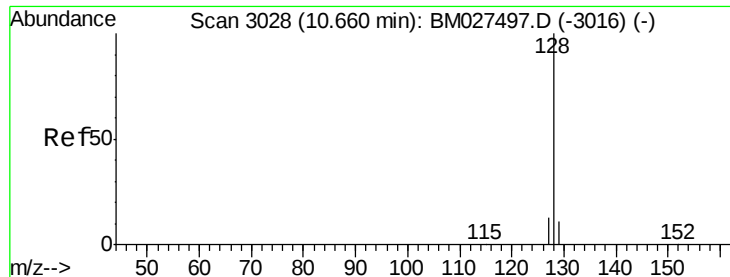
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.128 ng/ul

RT: 10.63 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

Instrument :

BNA_M

ClientSampleId :

C0AC7

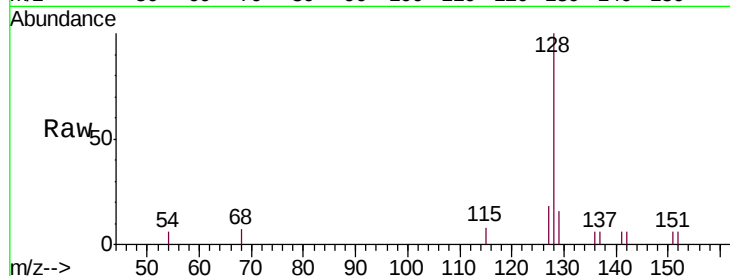
Tgt Ion:128 Resp: 1268

Ion Ratio Lower Upper

128 100

129 16.0 9.9 14.9#

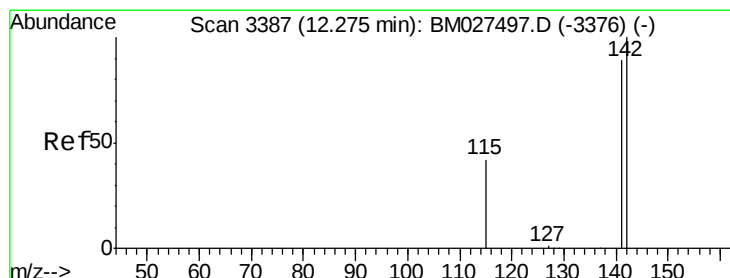
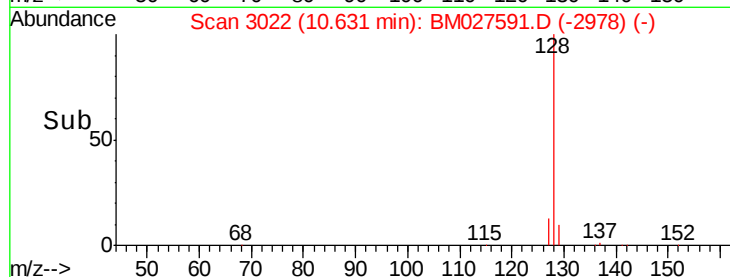
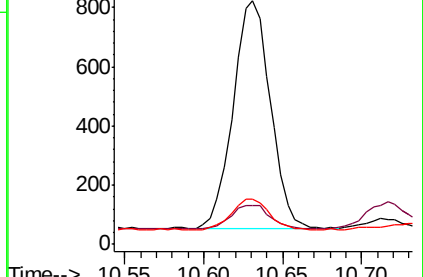
127 18.3 11.4 17.2#



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: 0.022 ng/ul

RT: 12.25 min Scan# 3381

Delta R.T. -0.00 min

Lab File: BM027591.D

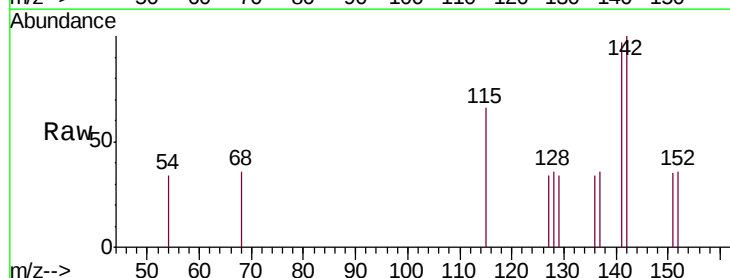
Acq: 02 Oct 2020 21:11

Tgt Ion:142 Resp: 161

Ion Ratio Lower Upper

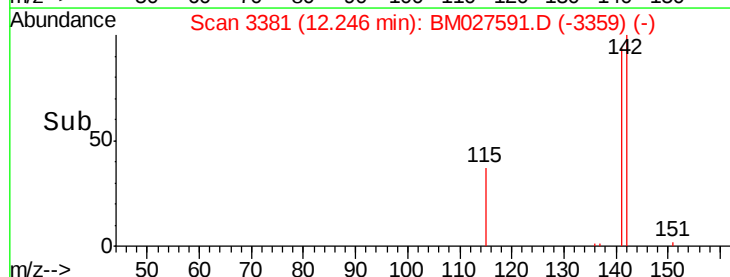
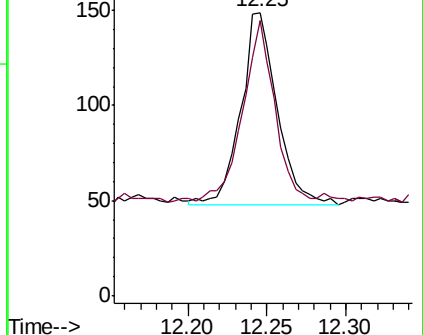
142 100

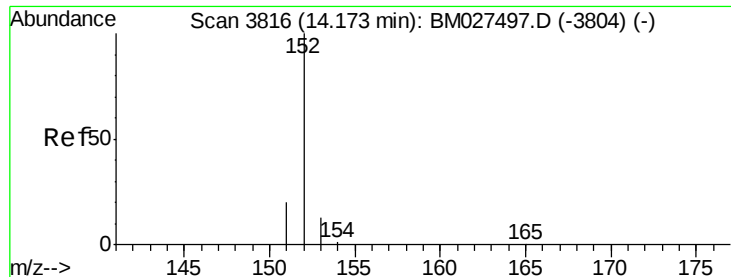
141 85.7 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.054 ng/ul

RT: 14.15 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

Instrument :

BNA_M

ClientSampleId :

C0AC7

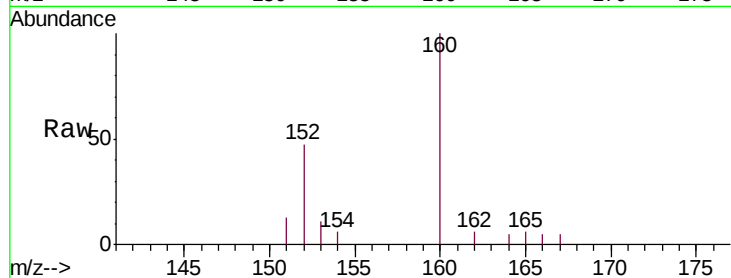
Tgt Ion:152 Resp: 676

Ion Ratio Lower Upper

152 100

151 27.5 16.6 24.8#

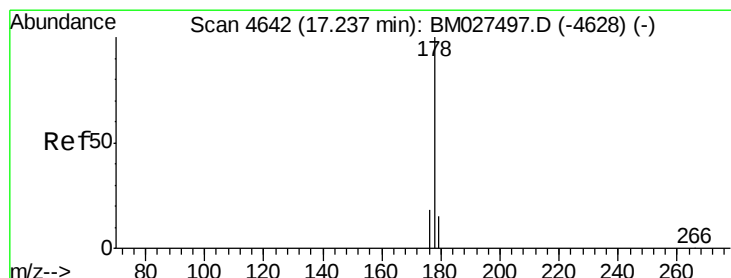
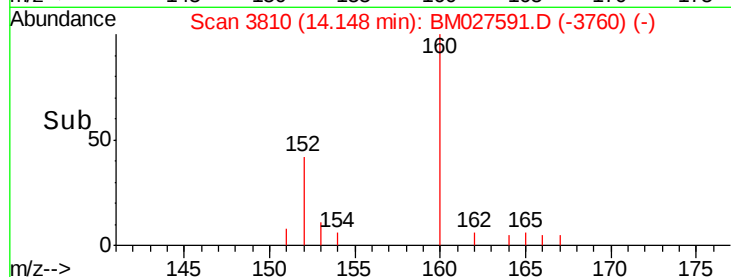
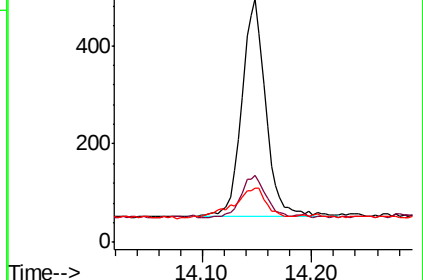
153 22.4 11.4 17.0#



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



#12

Phenanthrene

Concen: 0.041 ng/ul

RT: 17.21 min Scan# 4635

Delta R.T. -0.00 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

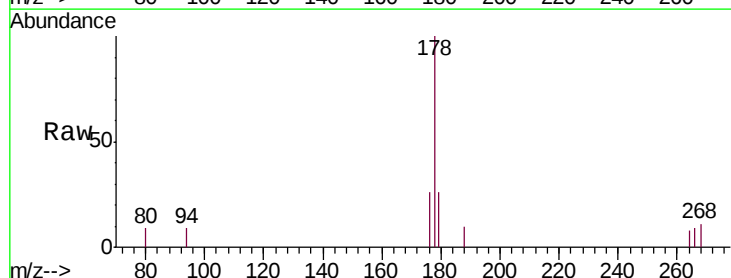
Tgt Ion:178 Resp: 775

Ion Ratio Lower Upper

178 100

179 25.8 12.9 19.3#

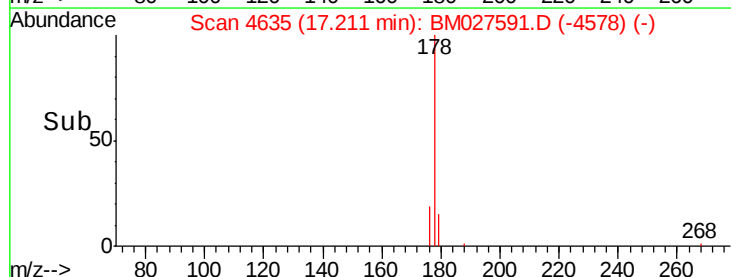
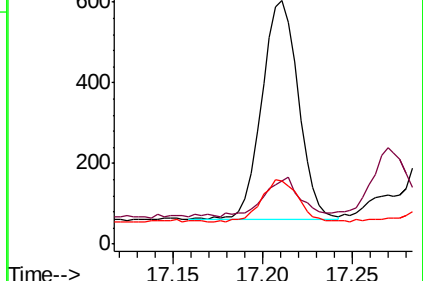
176 26.0 15.3 22.9#

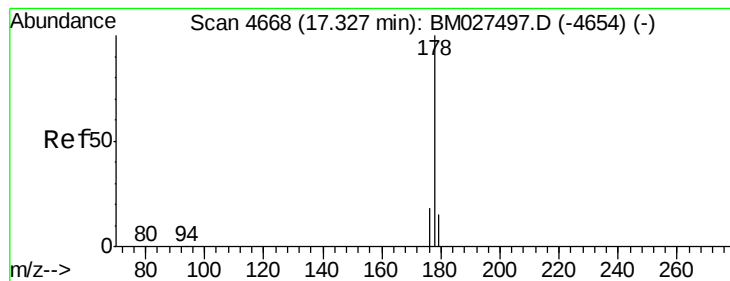


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.054 ng/ul

RT: 17.30 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

Instrument :

BNA_M

ClientSampleId :

C0AC7

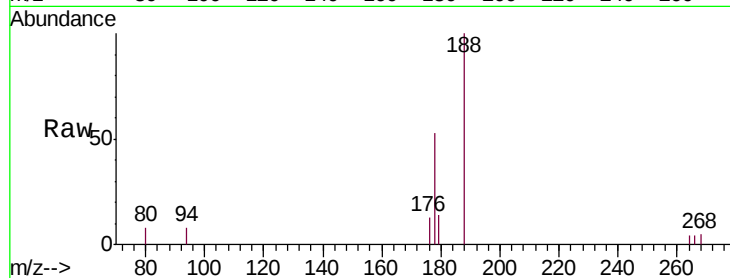
Tgt Ion:178 Resp: 994

Ion Ratio Lower Upper

178 100

179 25.6 13.0 19.4#

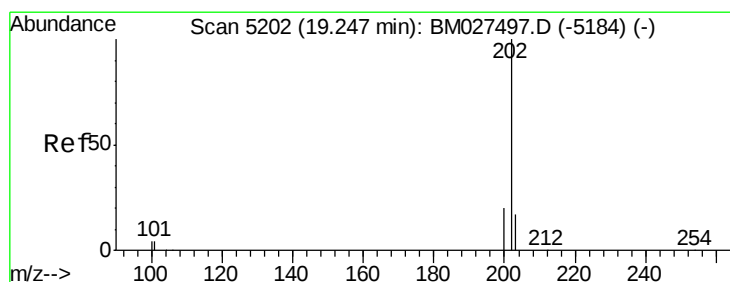
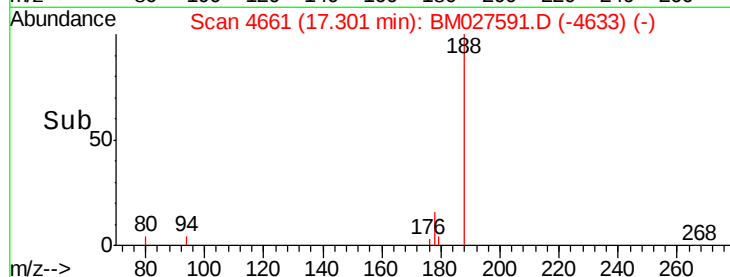
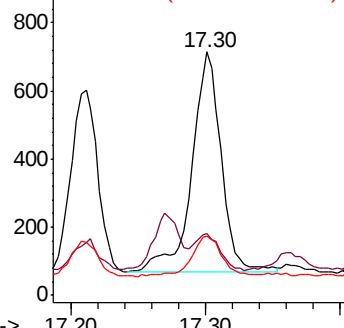
176 24.5 15.2 22.8#



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: 0.128 ng/ul

RT: 19.22 min Scan# 5196

Delta R.T. -0.01 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

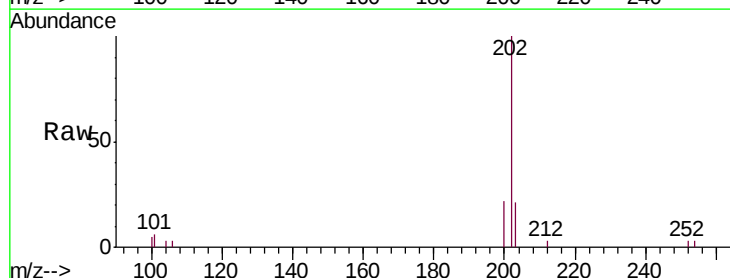
Tgt Ion:202 Resp: 2880

Ion Ratio Lower Upper

202 100

101 5.7 0.0 24.9

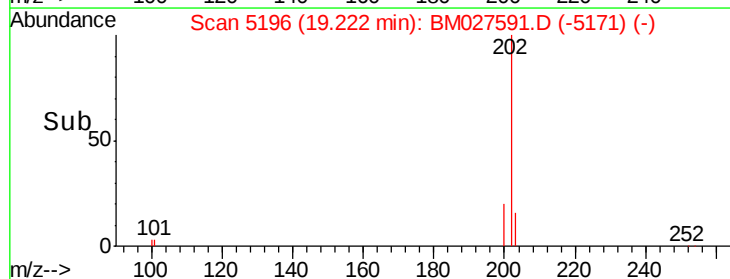
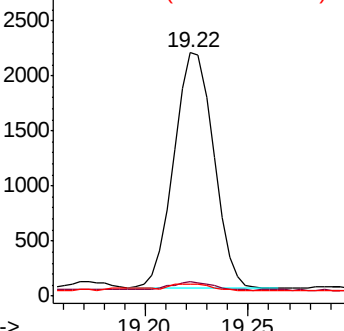
100 5.0 0.0 24.1

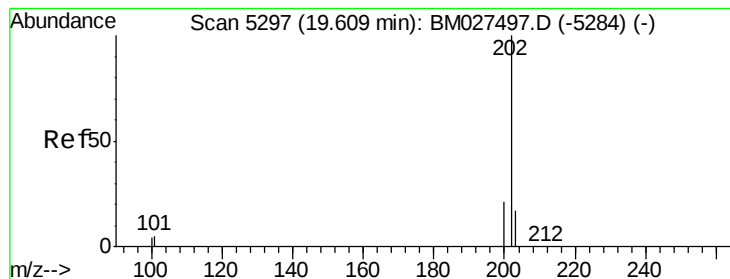


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 0.778 ng/ul

RT: 19.58 min Scan# 5291

Delta R.T. -0.01 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

Instrument :

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ClientSampleId :

C0AC7

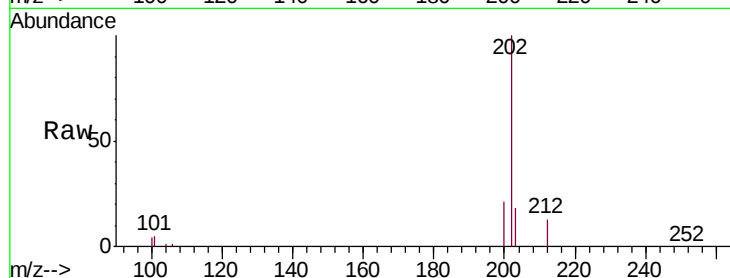
Tgt Ion:202 Resp: 23108

Ion Ratio Lower Upper

202 100

101 4.8 4.7 7.1

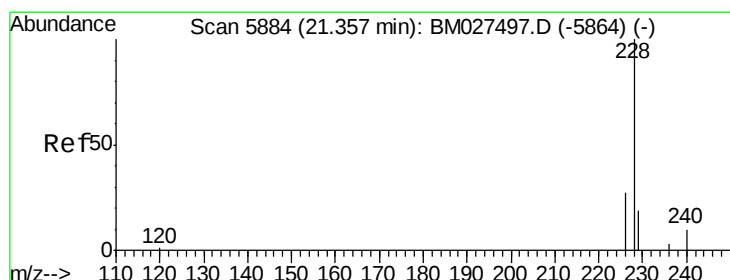
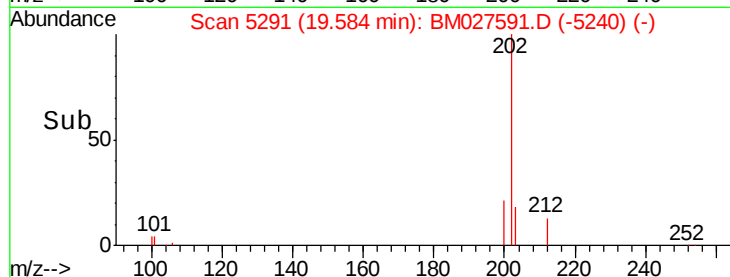
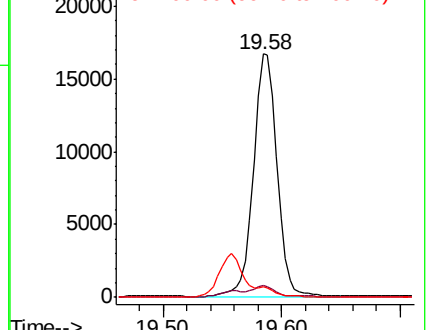
100 4.1 3.9 5.9



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: 0.298 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. 0.04 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

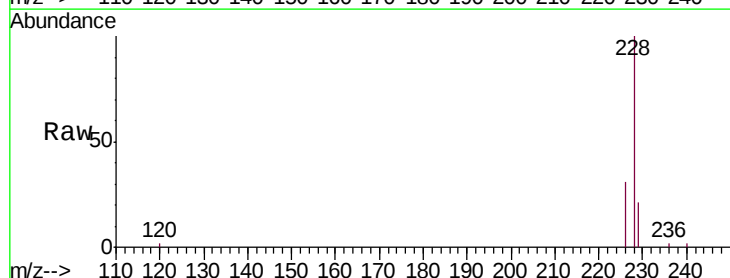
Tgt Ion:228 Resp: 7597

Ion Ratio Lower Upper

228 100

229 21.4 15.6 23.4

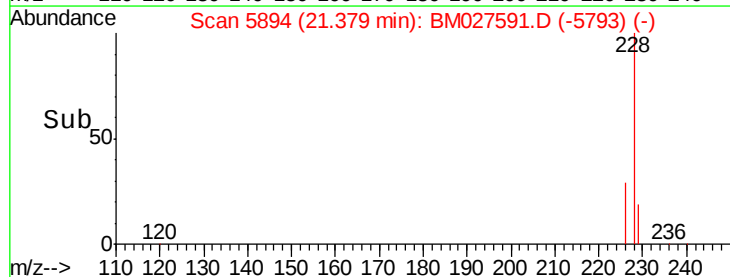
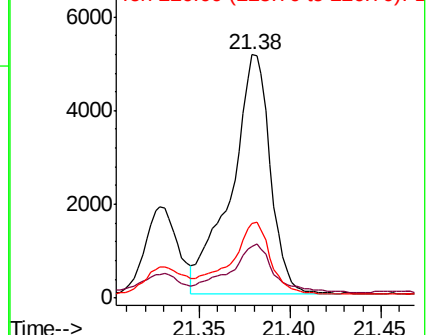
226 30.6 21.8 32.8

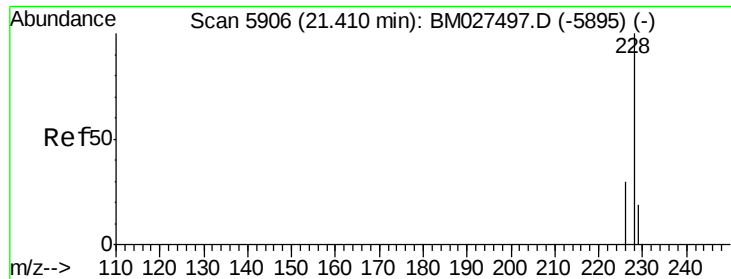


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.287 ng/ul

RT: 21.38 min Scan# 5894

Delta R.T. -0.01 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

Instrument :

BNA_M

ClientSampleId :

C0AC7

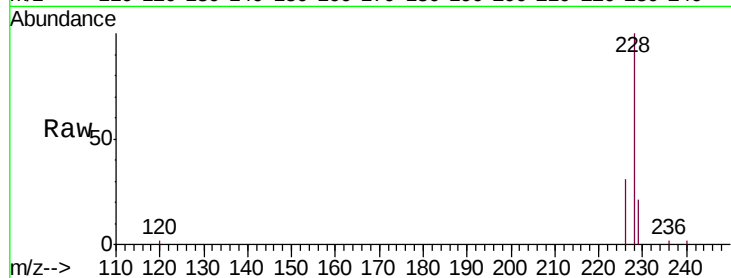
Tgt Ion:228 Resp: 7597

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

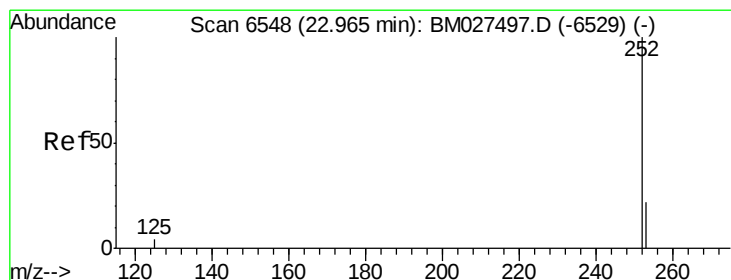
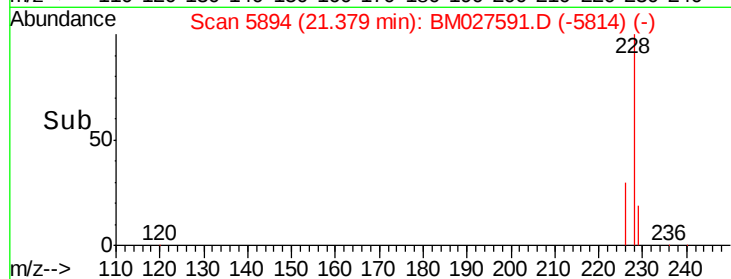
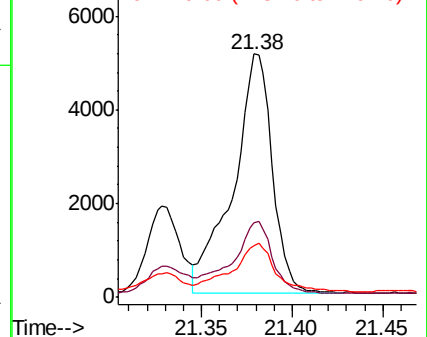
229 21.4 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 0.717 ng/ul

RT: 22.93 min Scan# 6534

Delta R.T. -0.00 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

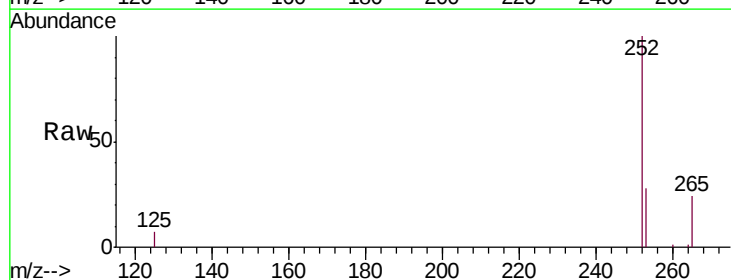
Tgt Ion:252 Resp: 19708

Ion Ratio Lower Upper

252 100

253 27.5 0.0 48.2

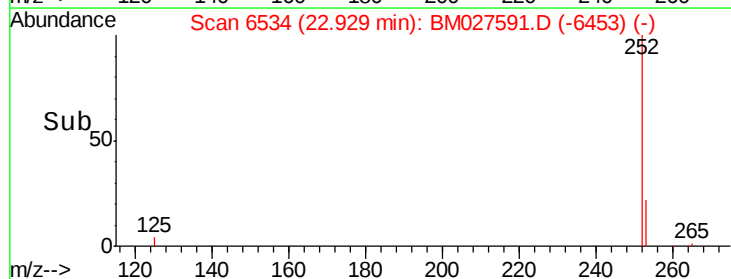
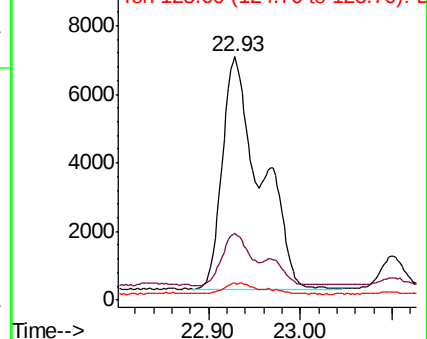
125 6.8 0.0 10.6

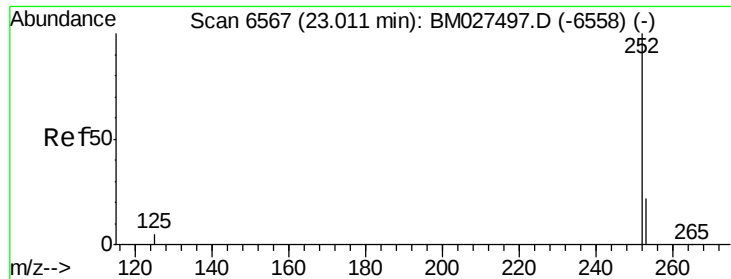


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.690 ng/ul

RT: 22.93 min Scan# 6534

Delta R.T. -0.05 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

Instrument :

BNA_M

ClientSampleId :

C0AC7

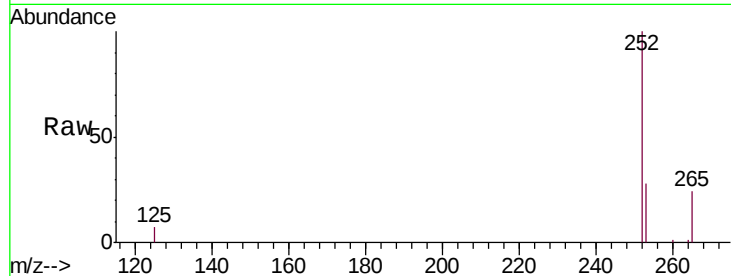
Tgt Ion:252 Resp: 19708

Ion Ratio Lower Upper

252 100

253 27.5 19.1 28.7

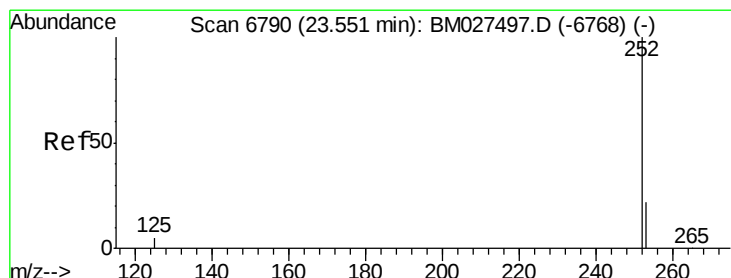
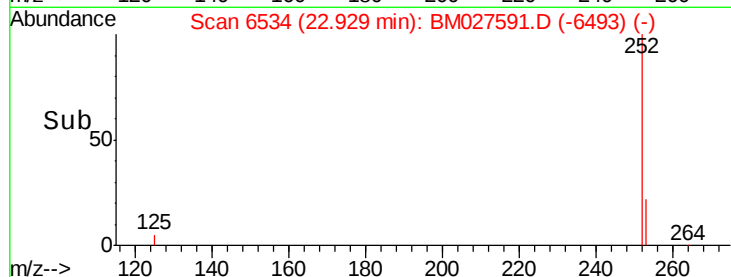
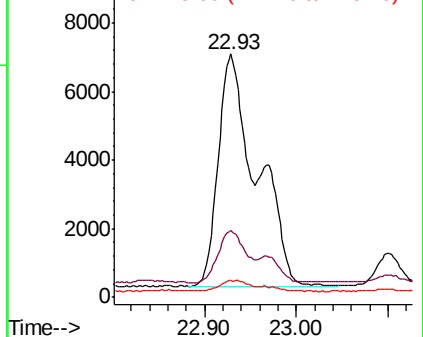
125 6.8 5.0 7.4



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: 0.352 ng/ul

RT: 23.51 min Scan# 6773

Delta R.T. -0.01 min

Lab File: BM027591.D

Acq: 02 Oct 2020 21:11

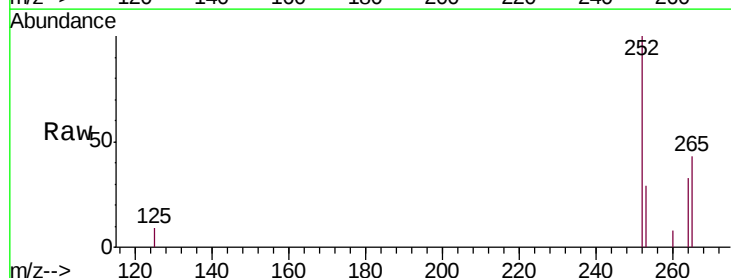
Tgt Ion:252 Resp: 8668

Ion Ratio Lower Upper

252 100

253 29.1 19.6 29.4

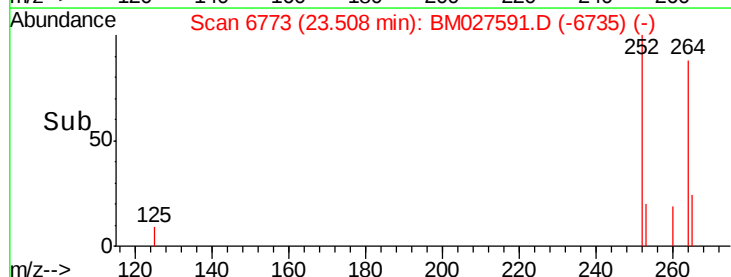
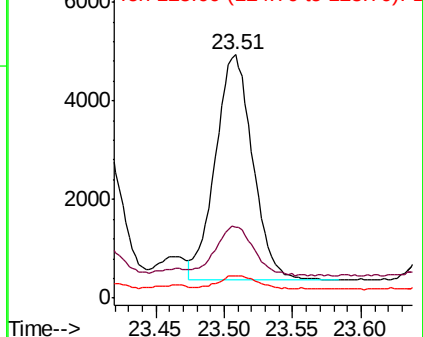
125 9.2 5.0 7.6#

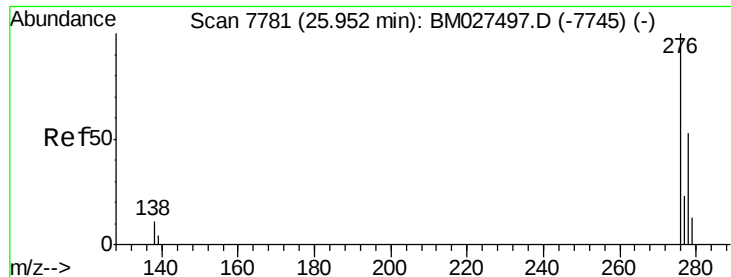


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



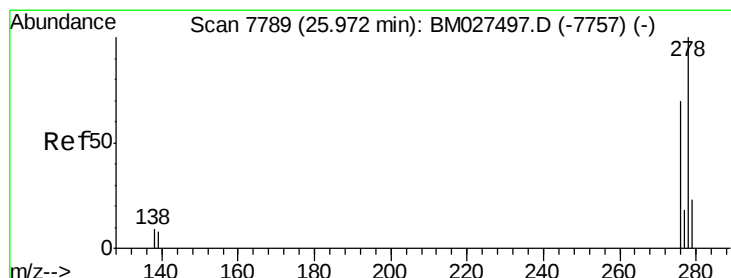
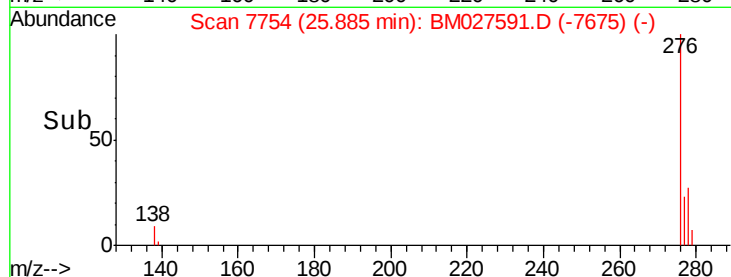
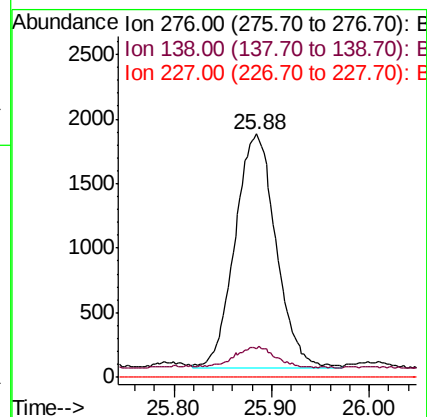
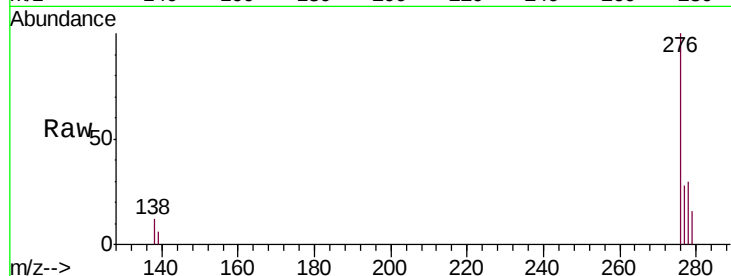


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.167 ng/u1
RT: 25.88 min Scan# 7754
Delta R.T. -0.01 min
Lab File: BM027591.D
Acq: 02 Oct 2020 21:11

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C0AC7

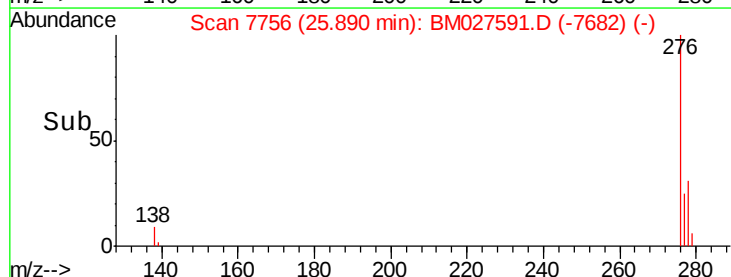
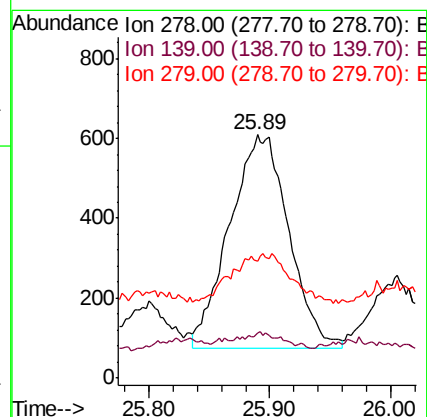
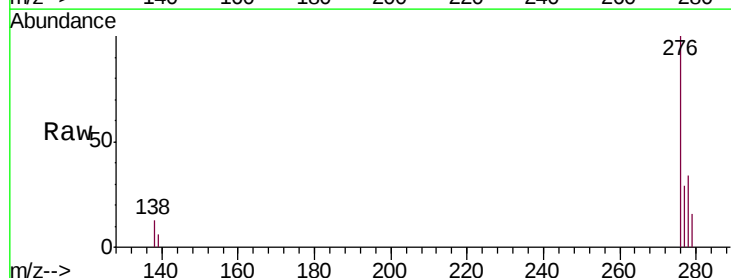
Tgt Ion:276 Resp: 5276
Ion Ratio Lower Upper
276 100
138 8.5 8.6 12.8#
227 0.0 0.0 0.0

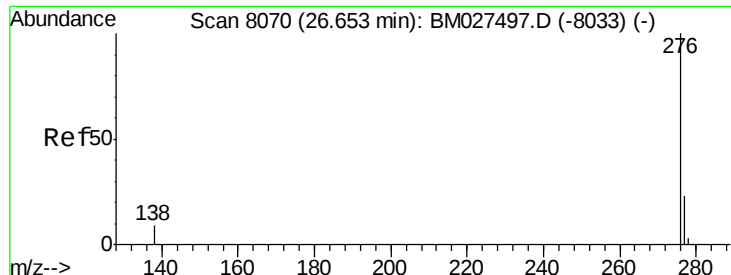


#25

Dibenzo(a,h)anthracene
Concen: 0.069 ng/u1
RT: 25.89 min Scan# 7756
Delta R.T. -0.02 min
Lab File: BM027591.D
Acq: 02 Oct 2020 21:11

Tgt Ion:278 Resp: 1805
Ion Ratio Lower Upper
278 100
139 18.4 7.6 11.4#
279 47.9 20.7 31.1#





#26

Benzo(g,h,i)perylene

Concen: 0.147 ng/ul

RT: 26.58 min Scan# 8040

Delta R.T. -0.02 min

Lab File: BM027591.D

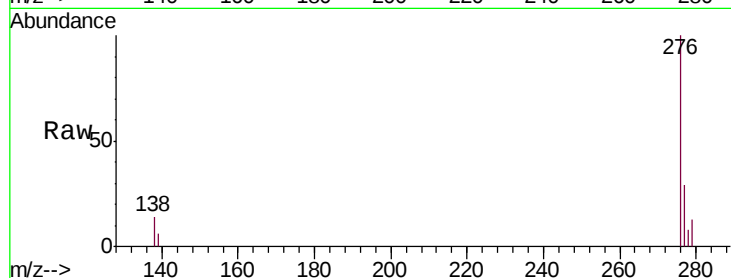
Acq: 02 Oct 2020 21:11

Instrument :

BNA_M

ClientSampleId :

C0AC7



Tgt Ion:	276	Resp:	3941
Ion	Ratio	Lower	Upper
276	100		
138	13.8	9.0	13.4#
277	28.5	19.4	29.0

