

Data File : BM021783.D
Acq On : 03 Aug 2019 19:55
Operator : HP/JU
Sample : SSTD1.623
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD1.623

Quant Time: Aug 03 22:38:40 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 : Sat Aug 03 22:35:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	731	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	2979	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.29	164	1591	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	3809	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	3742	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	4166	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	7814	1.90	ng/ul	-0.03
14) Fluoranthene-d10	19.08	212	19713	2.03	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	13150	1.570	ng/ul#	93
5) 2-Methylnaphthalene	12.10	142	9067	1.830	ng/ul	98
7) Acenaphthylene	14.01	152	11856	1.494	ng/ul	94
8) Acenaphthene	14.36	153	9893	1.484	ng/ul	97
9) Fluorene	15.35	166	11137	1.576	ng/ul	99
11) Pentachlorophenol	16.72	266	1155	2.066	ng/ul	93
12) Phenanthrene	17.09	178	17915	1.436	ng/ul	96
13) Anthracene	17.19	178	16106	1.659	ng/ul	95
15) Fluoranthene	19.11	202	22984	1.728	ng/ul	97
17) Pyrene	19.48	202	23766	1.447	ng/ul	99
18) Benzo(a)anthracene	21.23	228	21657	1.832	ng/ul	98
19) Chrysene	21.28	228	25800	1.372	ng/ul	98
21) Benzo(b)fluoranthene	22.80	252	23601	1.309	ng/ul	85
22) Benzo(k)fluoranthene	22.85	252	25261	1.329	ng/ul#	85
23) Benzo(a)pyrene	23.38	252	22809	1.555	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.69	276	27624	1.632	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.70	278	22292	1.678	ng/ul#	87
26) Benzo(g,h,i)perylene	26.38	276	24695	1.536	ng/ul	96

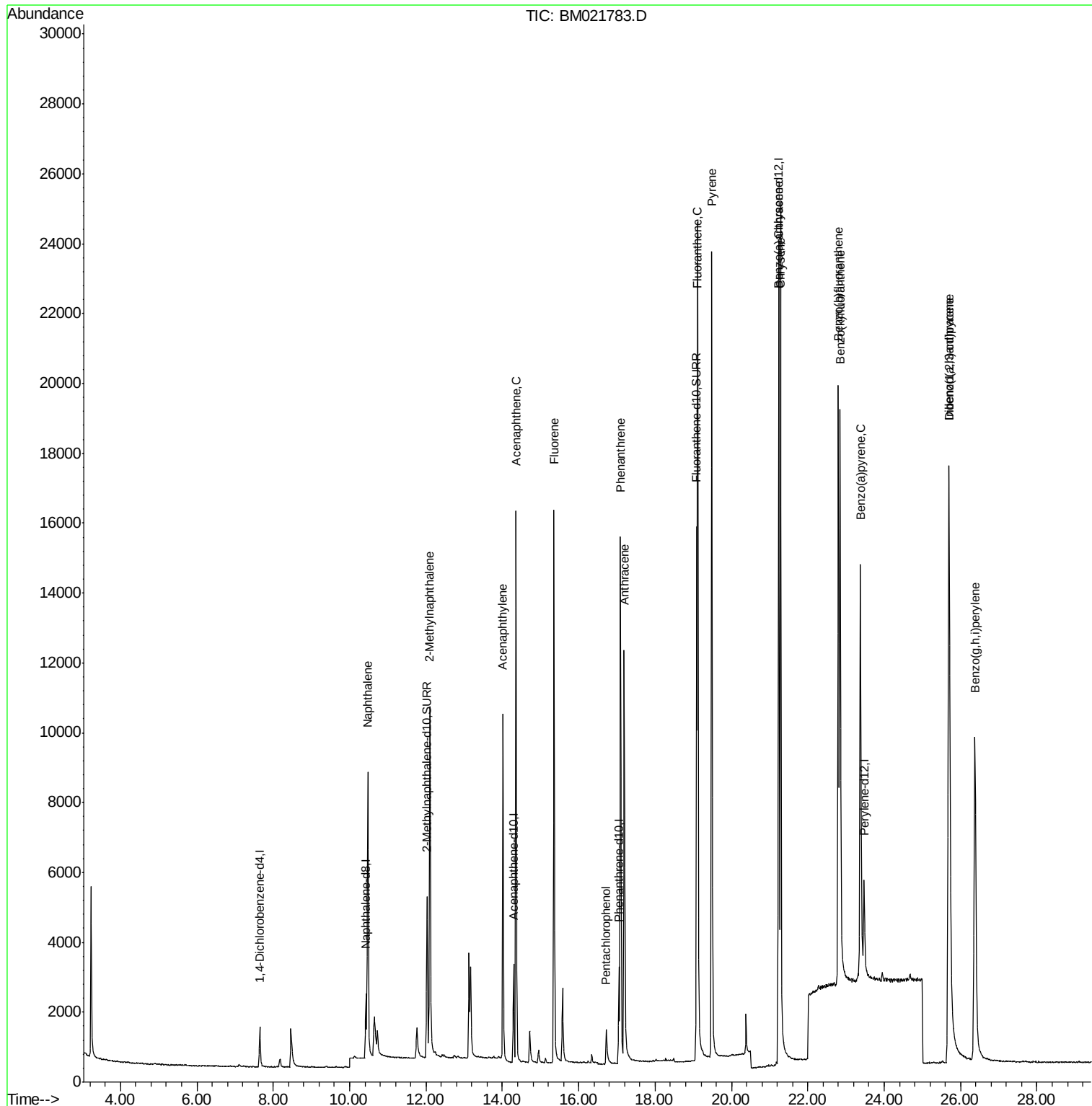
(#) = qualifier out of range (m) = manual integration (+) = signals summed

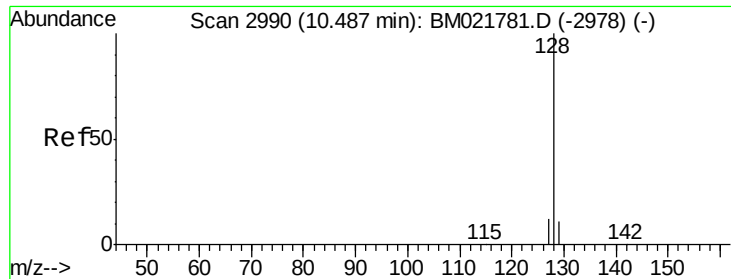
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#3

Naphthalene

Concen: 1.570 ng/ul

RT: 10.48 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

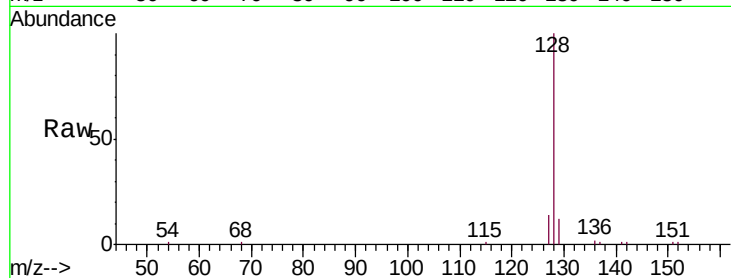
Tgt Ion:128 Resp: 13150

Ion Ratio Lower Upper

128 100

129 11.8 12.3 18.5#

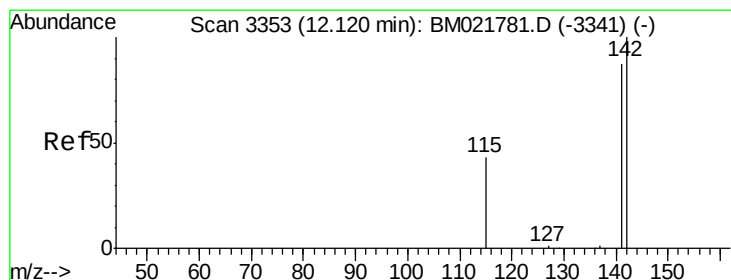
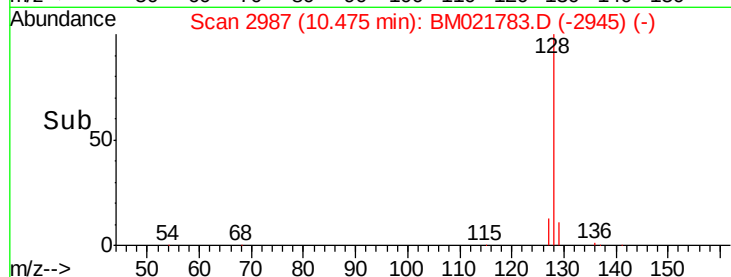
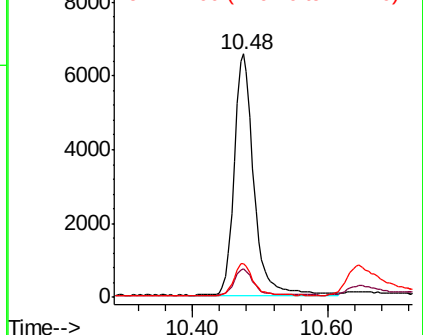
127 13.8 13.0 19.6



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: 1.830 ng/ul

RT: 12.10 min Scan# 3348

Delta R.T. -0.02 min

Lab File: BM021783.D

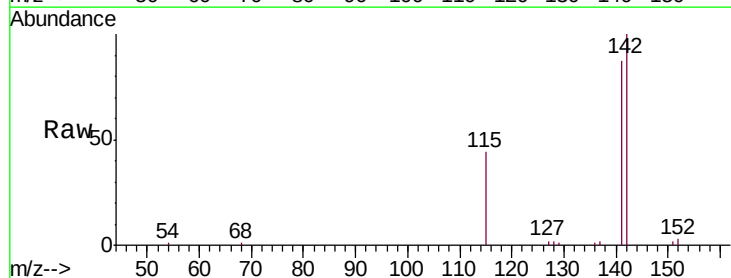
Acq: 03 Aug 2019 19:55

Tgt Ion:142 Resp: 9067

Ion Ratio Lower Upper

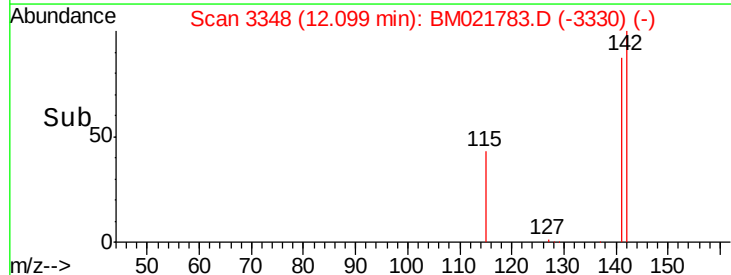
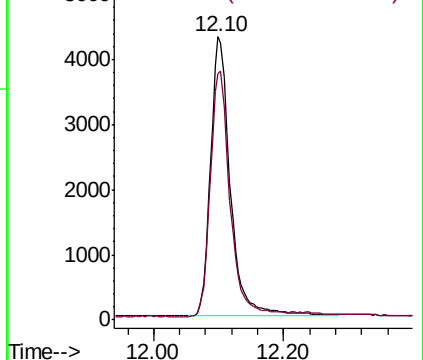
142 100

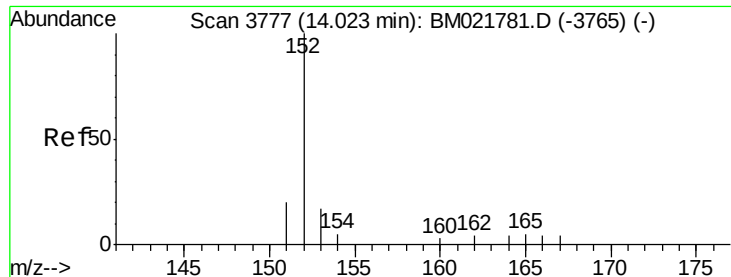
141 90.6 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.494 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

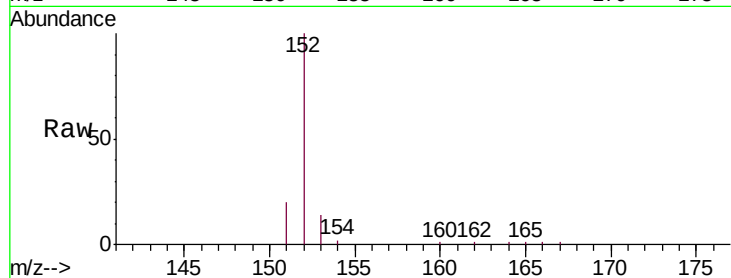
Tgt Ion:152 Resp: 11856

Ion Ratio Lower Upper

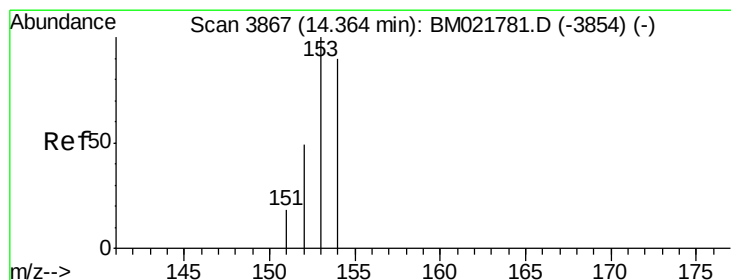
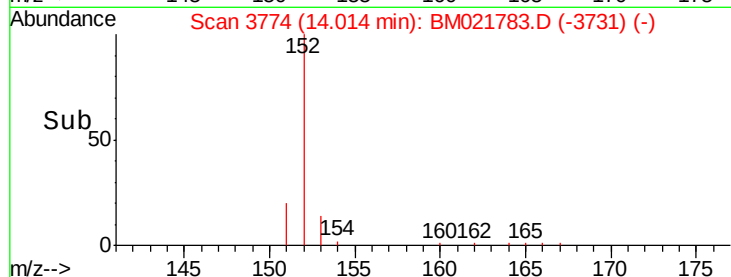
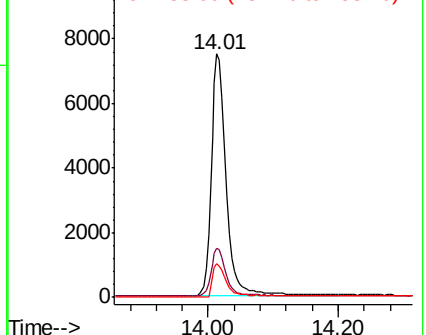
152 100

151 20.1 18.3 27.5

153 13.6 12.8 19.2



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: 1.484 ng/ul

RT: 14.36 min Scan# 3865

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

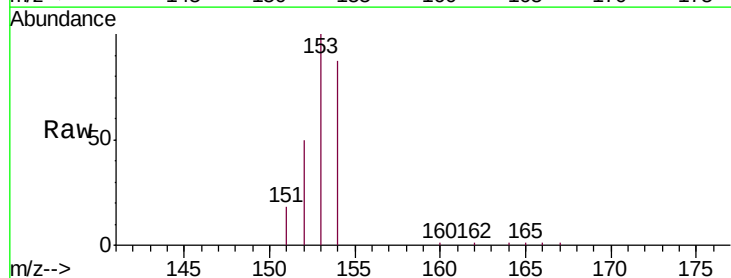
Tgt Ion:153 Resp: 9893

Ion Ratio Lower Upper

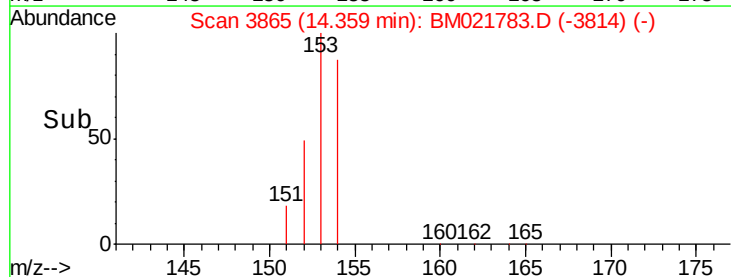
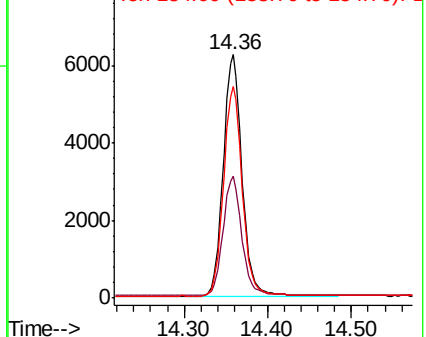
153 100

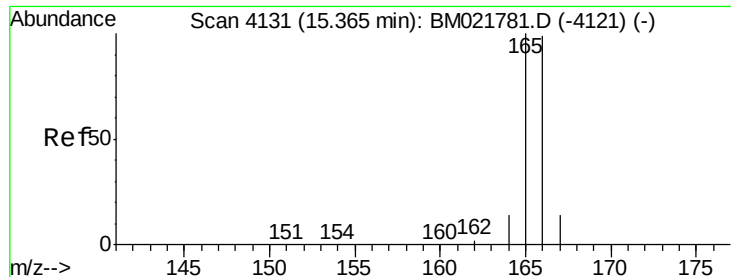
152 50.0 41.3 61.9

154 86.8 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

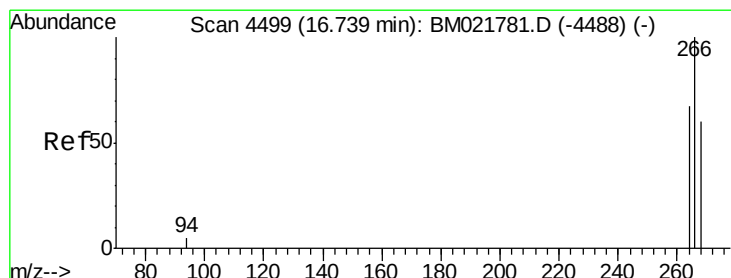
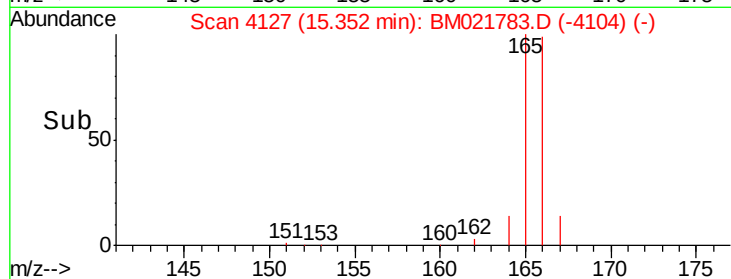
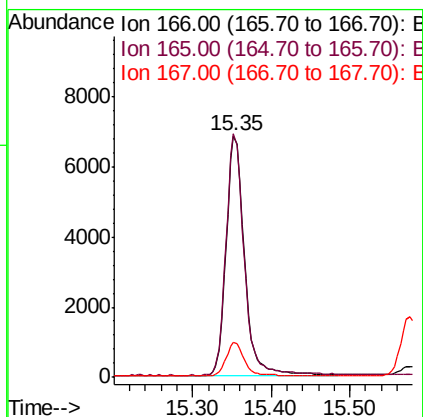
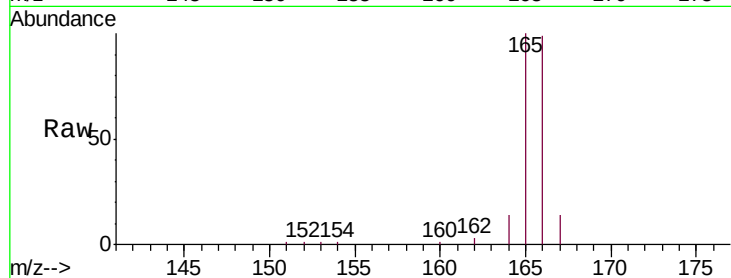




#9
Fluorene
 Concen: 1.576 ng/ul
 RT: 15.35 min Scan# 4127
 Delta R.T. -0.01 min
 Lab File: BM021783.D
 Acq: 03 Aug 2019 19:55

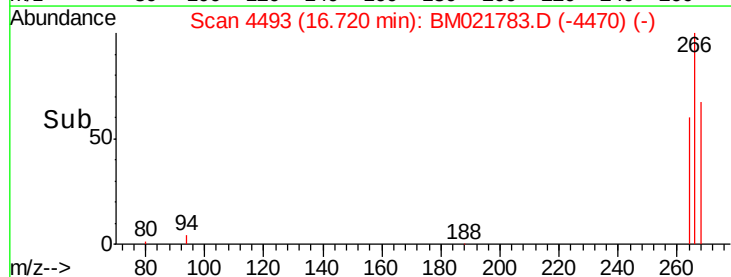
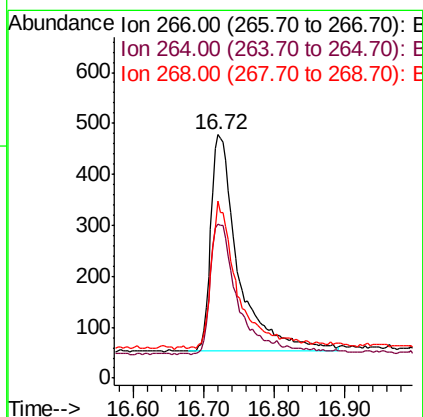
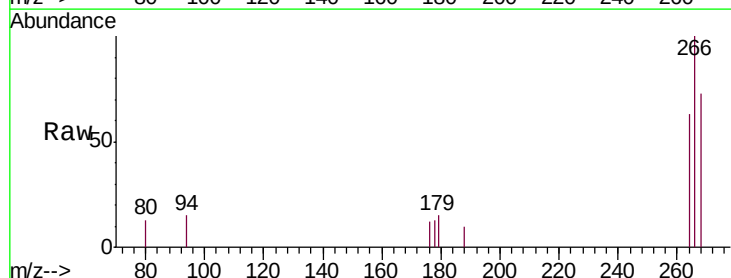
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.623

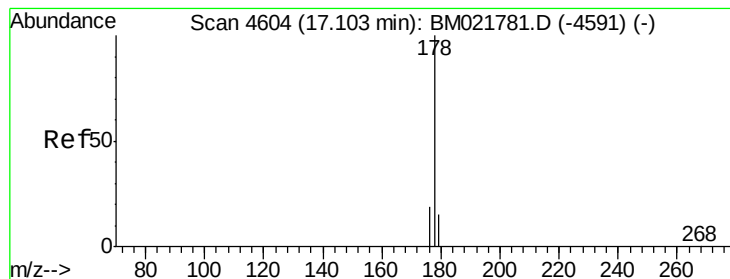
Tgt Ion:166 Resp: 11137
 Ion Ratio Lower Upper
 166 100
 165 100.9 81.4 122.0
 167 14.6 13.7 20.5



#11
Pentachlorophenol
 Concen: 2.066 ng/ul
 RT: 16.72 min Scan# 4493
 Delta R.T. -0.02 min
 Lab File: BM021783.D
 Acq: 03 Aug 2019 19:55

Tgt Ion:266 Resp: 1155
 Ion Ratio Lower Upper
 266 100
 264 62.8 54.2 81.2
 268 64.7 57.6 86.4





#12

Phenanthrene

Concen: 1.436 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

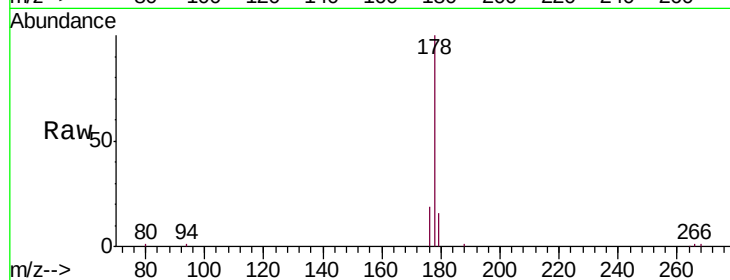
Tgt Ion:178 Resp: 17915

Ion Ratio Lower Upper

178 100

179 16.0 14.2 21.2

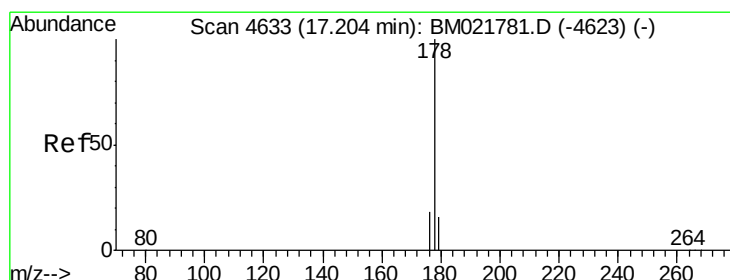
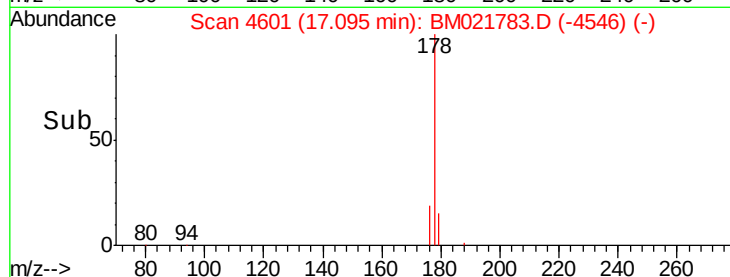
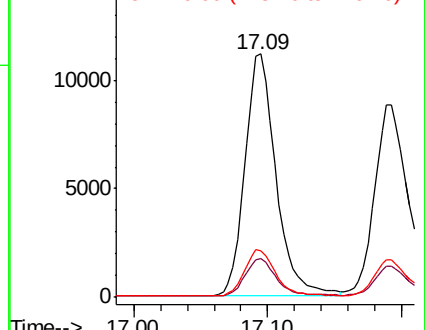
176 19.3 16.8 25.2



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: 1.659 ng/ul

RT: 17.19 min Scan# 4629

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

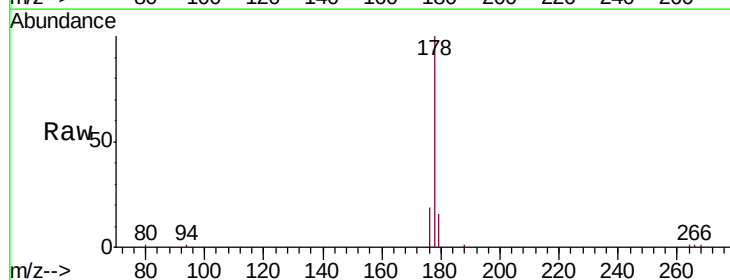
Tgt Ion:178 Resp: 16106

Ion Ratio Lower Upper

178 100

179 16.0 15.5 23.3

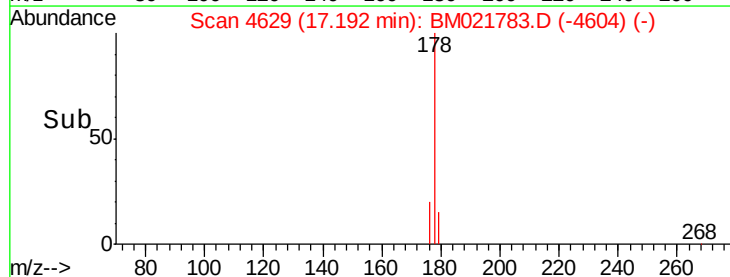
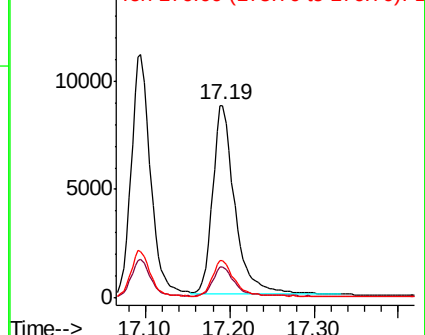
176 19.4 16.6 25.0

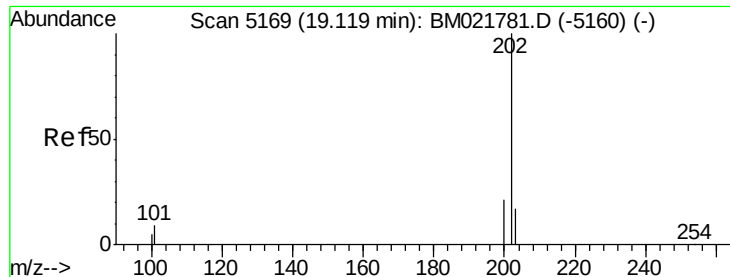


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.728 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

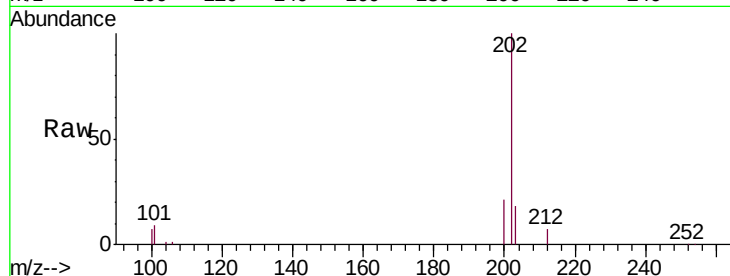
Tgt Ion:202 Resp: 22984

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.2

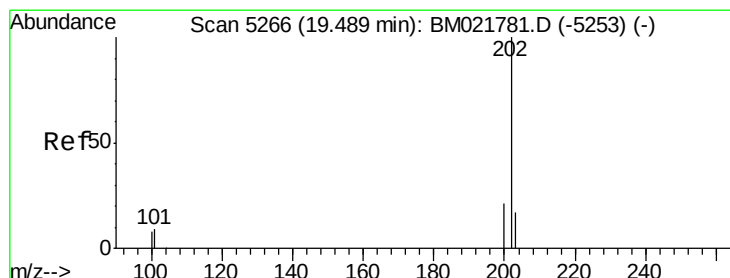
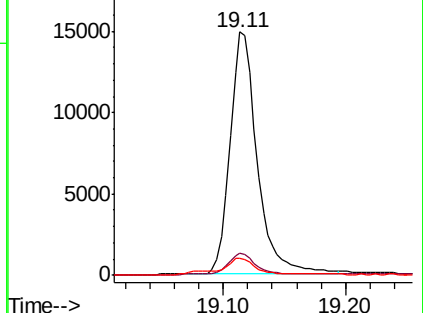
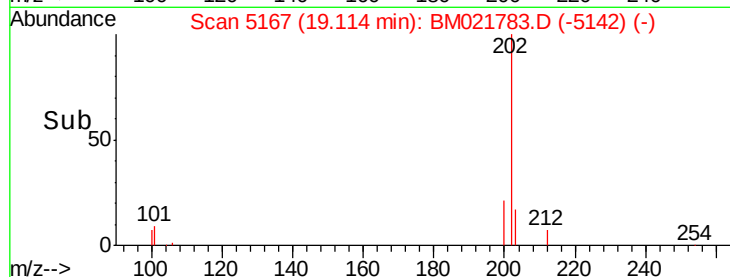
100 6.9 0.0 28.1



Abundance Ion 202.00 (201.70 to 202.70): E

20000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 1.447 ng/ul

RT: 19.48 min Scan# 5264

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

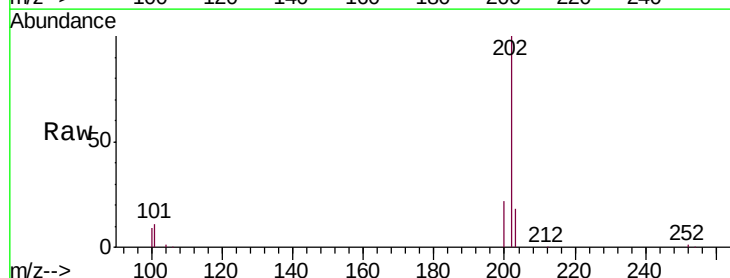
Tgt Ion:202 Resp: 23766

Ion Ratio Lower Upper

202 100

101 10.7 8.3 12.5

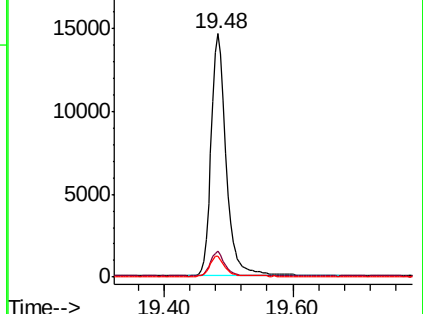
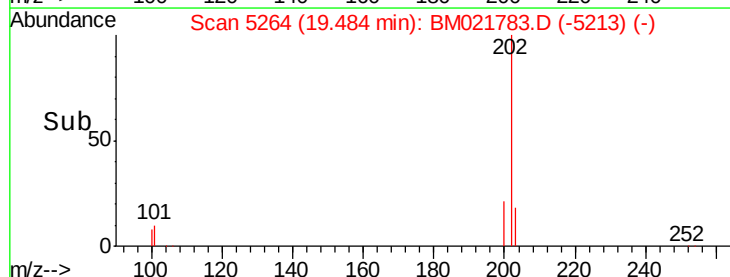
100 8.7 7.2 10.8

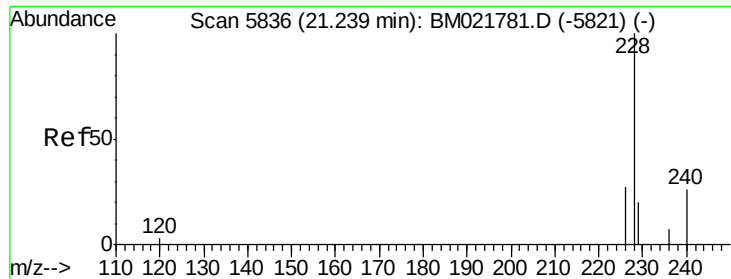


Abundance Ion 202.00 (201.70 to 202.70): E

20000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.832 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

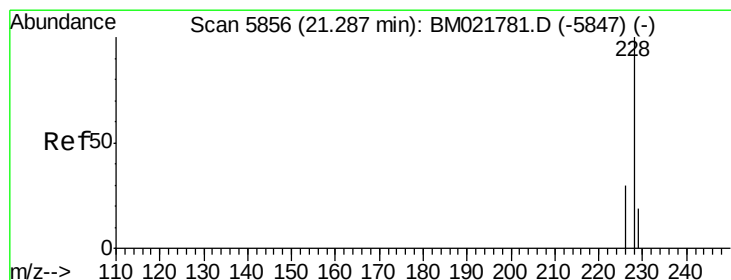
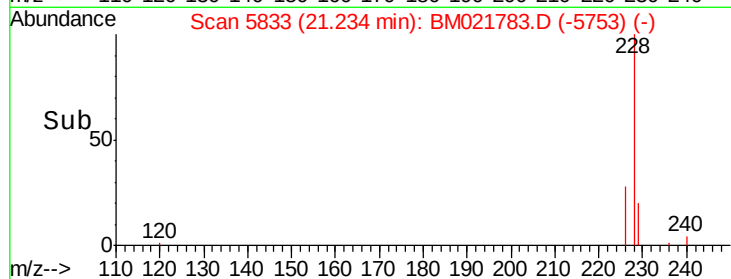
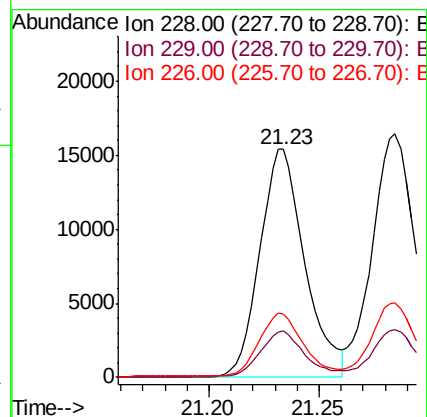
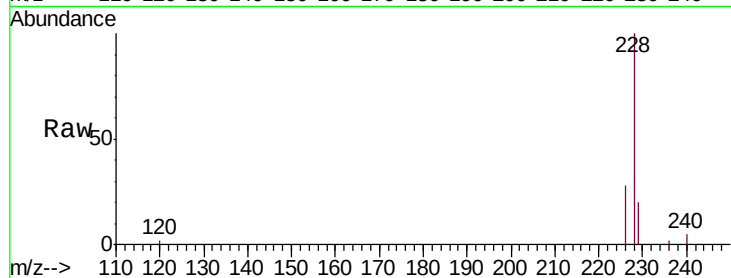
Tgt Ion:228 Resp: 21657

Ion Ratio Lower Upper

228 100

229 20.2 17.2 25.8

226 27.8 22.6 34.0



#19

Chrysene

Concen: 1.372 ng/ul

RT: 21.28 min Scan# 5854

Delta R.T. -0.00 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

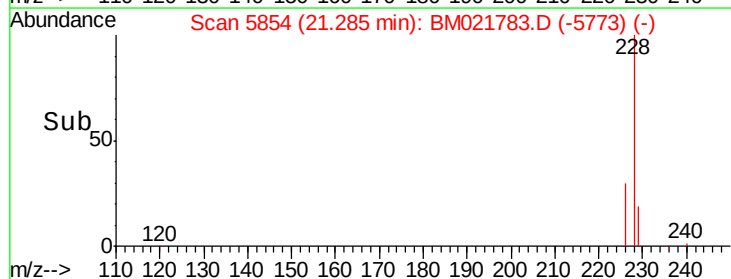
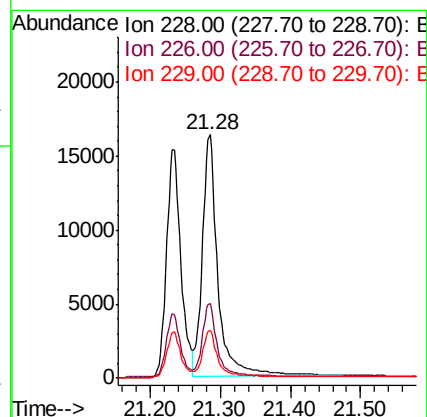
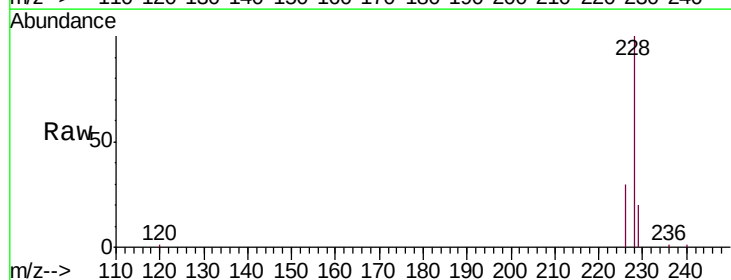
Tgt Ion:228 Resp: 25800

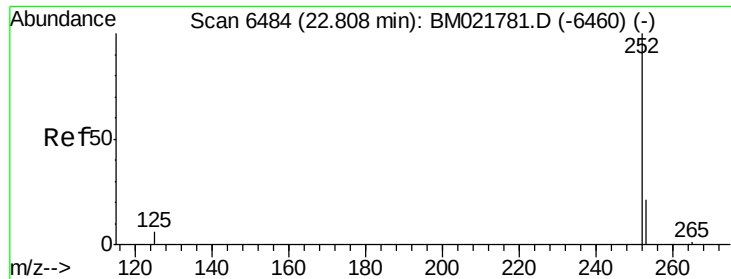
Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

229 19.7 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 1.309 ng/ul

RT: 22.80 min Scan# 6479

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

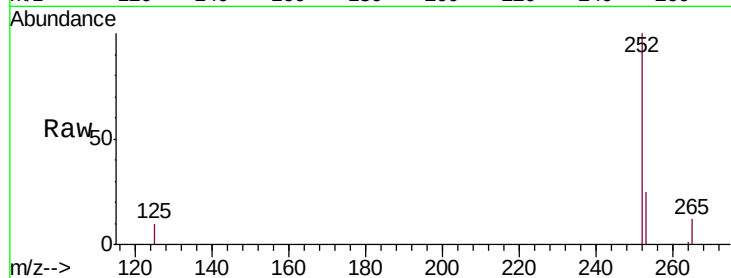
Tgt Ion:252 Resp: 23601

Ion Ratio Lower Upper

252 100

253 24.5 0.0 67.4

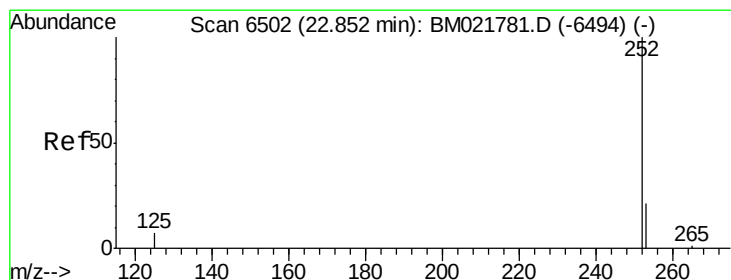
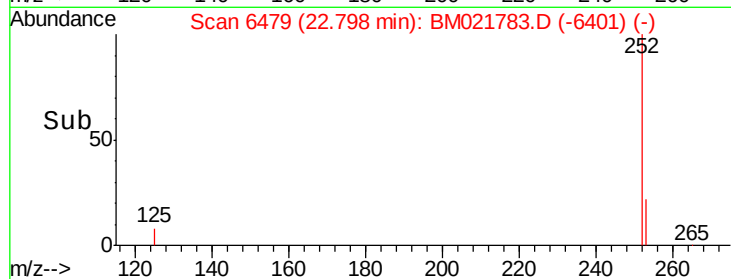
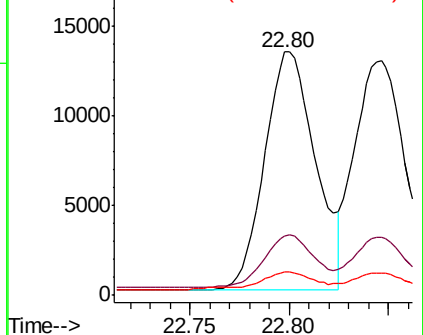
125 9.5 0.0 31.0



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: 1.329 ng/ul

RT: 22.85 min Scan# 6499

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

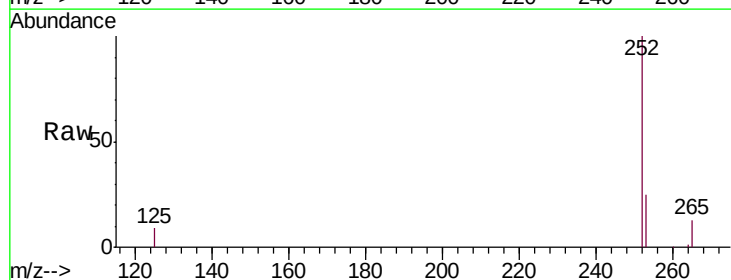
Tgt Ion:252 Resp: 25261

Ion Ratio Lower Upper

252 100

253 24.7 27.0 40.4#

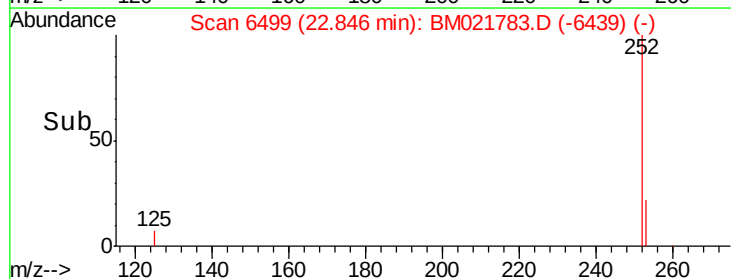
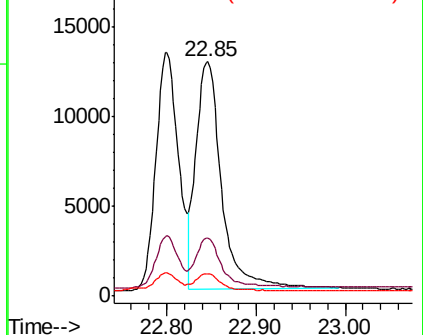
125 9.4 12.2 18.2#

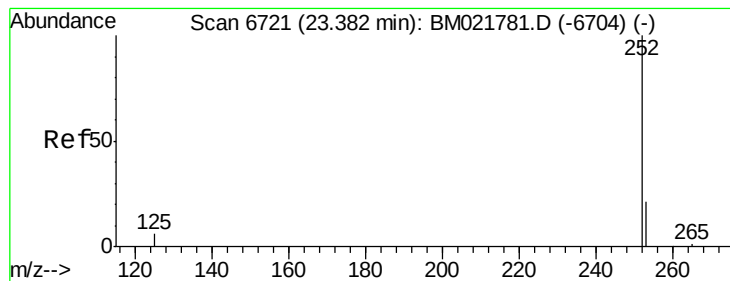


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.555 ng/ul

RT: 23.38 min Scan# 6718

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

Instrument :

BNA_M

ClientSampleId :

SSTD1.623

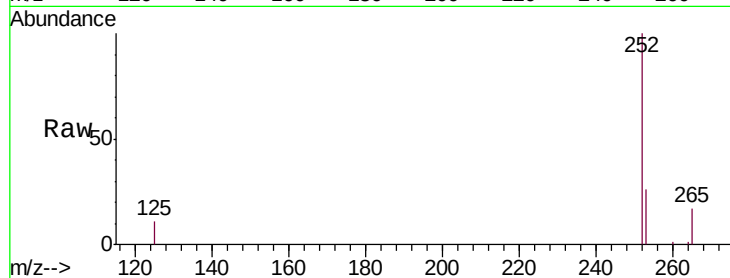
Tgt Ion:252 Resp: 22809

Ion Ratio Lower Upper

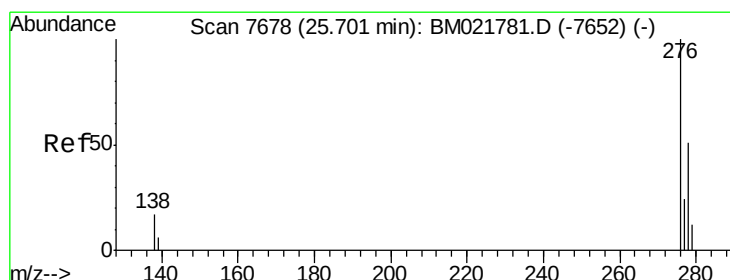
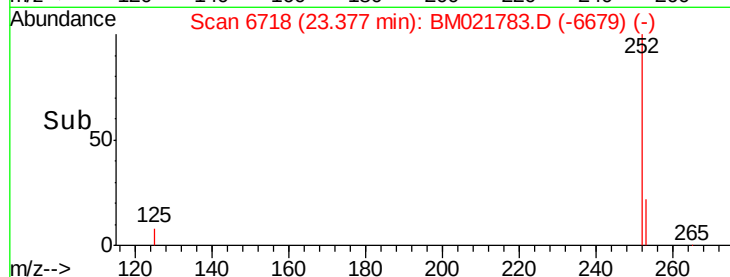
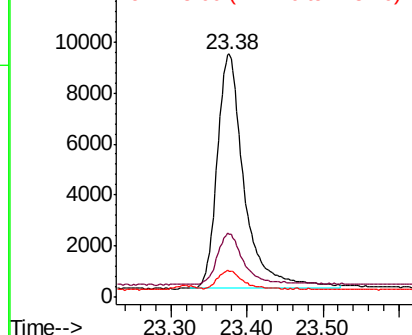
252 100

253 26.0 31.7 47.5#

125 10.9 14.6 21.8#



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: 1.632 ng/ul

RT: 25.69 min Scan# 7672

Delta R.T. -0.01 min

Lab File: BM021783.D

Acq: 03 Aug 2019 19:55

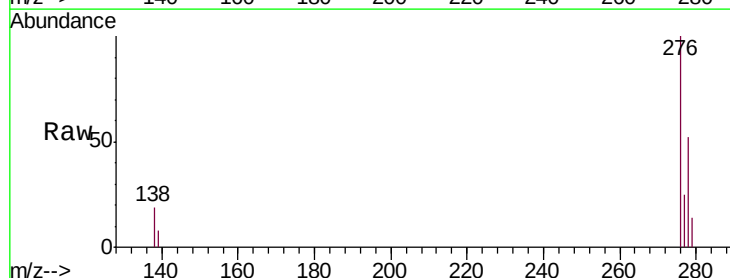
Tgt Ion:276 Resp: 27624

Ion Ratio Lower Upper

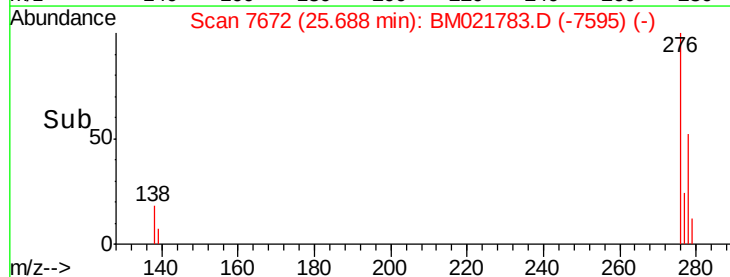
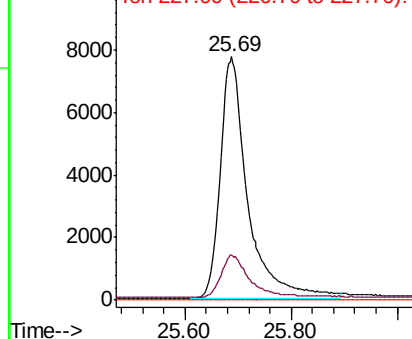
276 100

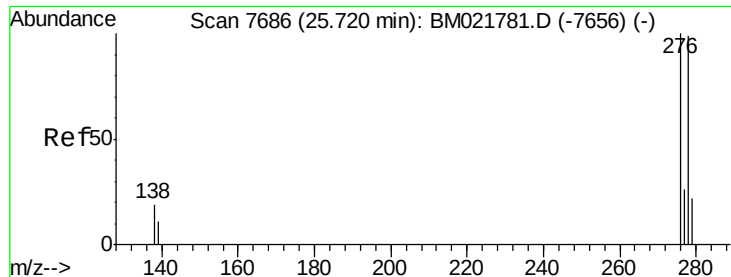
138 19.0 15.1 22.7

227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

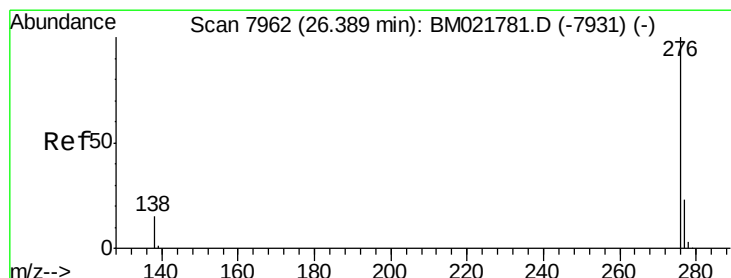
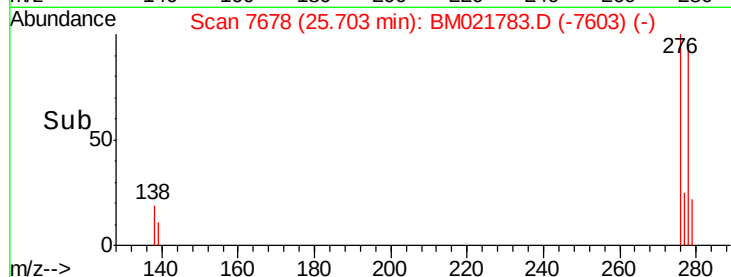
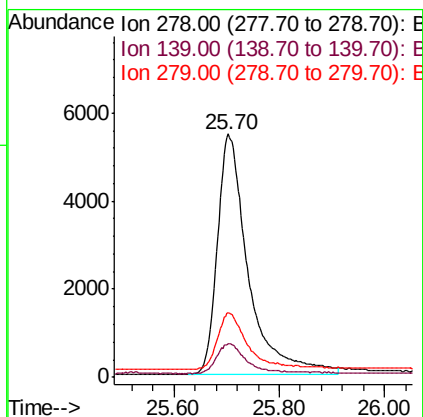
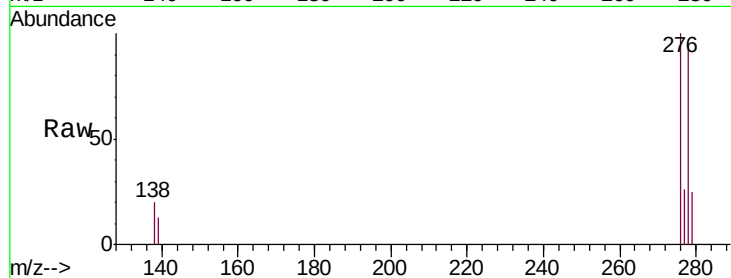




#25
Dibenzo(a,h)anthracene
Concen: 1.678 ng/ul
RT: 25.70 min Scan# 7678
Delta R.T. -0.02 min
Lab File: BM021783.D
Acq: 03 Aug 2019 19:55

Instrument :
BNA_M
ClientSampleId :
SSTD1.623

Tgt Ion: 278 Resp: 22292
Ion Ratio Lower Upper
278 100
139 14.0 14.2 21.2#
279 26.2 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 1.536 ng/ul
RT: 26.38 min Scan# 7957
Delta R.T. -0.01 min
Lab File: BM021783.D
Acq: 03 Aug 2019 19:55

Tgt Ion: 276 Resp: 24695
Ion Ratio Lower Upper
276 100
138 17.9 15.5 23.3
277 24.3 21.4 32.2

