

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021765.D
 Acq On : 02 Aug 2019 19:46
 Operator : HP/JU
 Sample : SSTD1.617
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 02 23:41:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 02 23:36:26 2019
 Response via : Initial Calibration

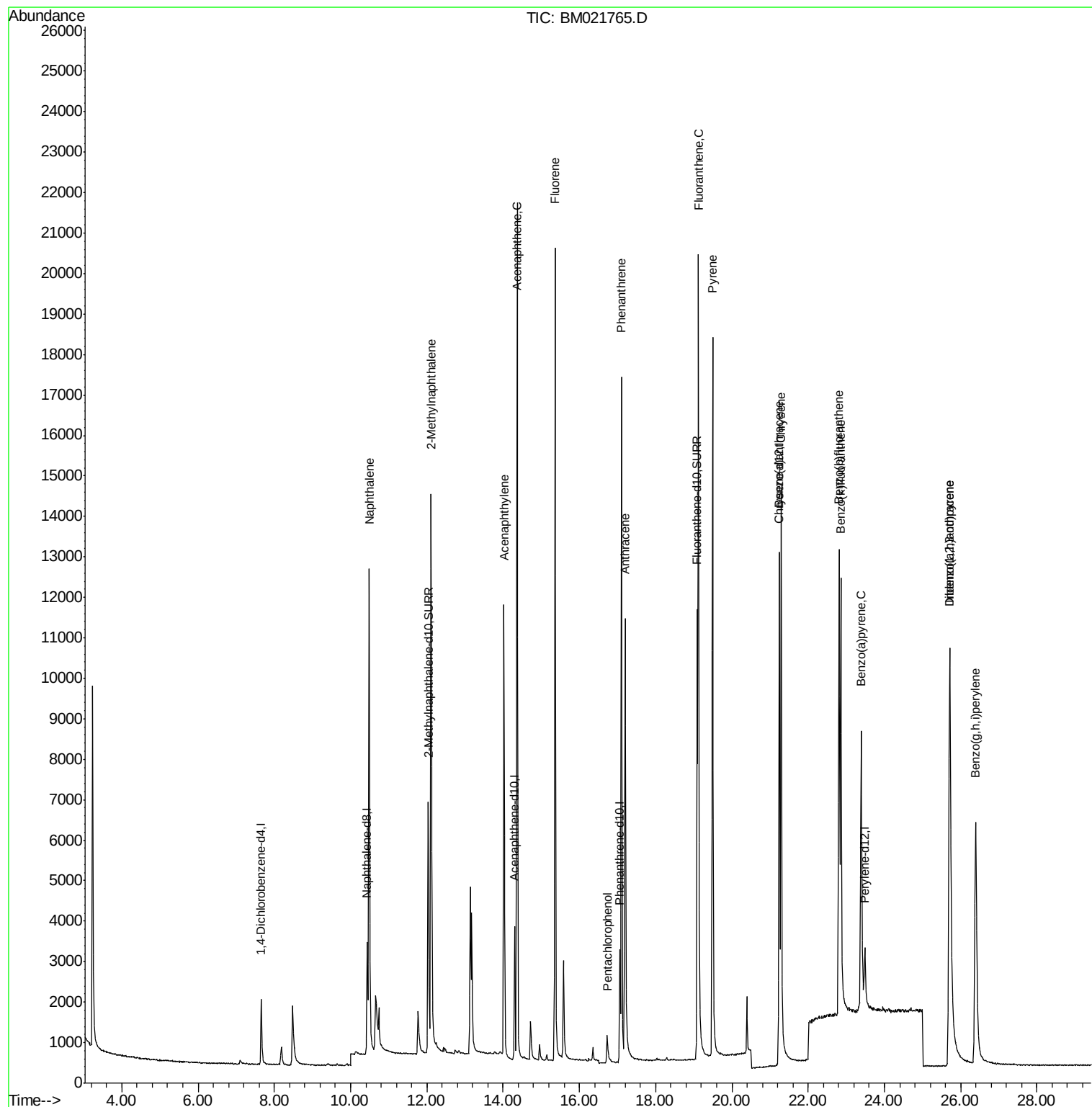
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	1055	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	4427	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.30	164	1839	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	3505	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	2643	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	2302	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	10262	1.94	ng/ul	-0.03
14) Fluoranthene-d10	19.09	212	12691	1.26	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.48	128	19975	1.787	ng/ul#	93
5) 2-Methylnaphthalene	12.11	142	12682	2.149	ng/ul	97
7) Acenaphthylene	14.03	152	14811	1.474	ng/ul	96
8) Acenaphthene	14.37	153	12782	1.726	ng/ul	95
9) Fluorene	15.36	166	13800	1.660	ng/ul	97
11) Pentachlorophenol	16.73	266	807	0.674	ng/ul#	89
12) Phenanthrene	17.10	178	19669	2.029	ng/ul	96
13) Anthracene	17.20	178	16355	1.960	ng/ul	94
15) Fluoranthene	19.13	202	18200	1.502	ng/ul	96
17) Pyrene	19.49	202	18012	2.406	ng/ul	95
18) Benzo(a)anthracene	21.24	228	12787	1.553	ng/ul	96
19) Chrysene	21.29	228	16647	1.604	ng/ul	98
21) Benzo(b)fluoranthene	22.81	252	14397	1.694	ng/ul	84
22) Benzo(k)fluoranthene	22.86	252	15905	1.847	ng/ul#	81
23) Benzo(a)pyrene	23.38	252	12723	1.666	ng/ul#	71
24) Indeno(1,2,3-cd)pyrene	25.71	276	15785	1.544	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.72	278	12702	1.586	ng/ul#	80
26) Benzo(g,h,i)perylene	26.39	276	14445	1.475	ng/ul	92

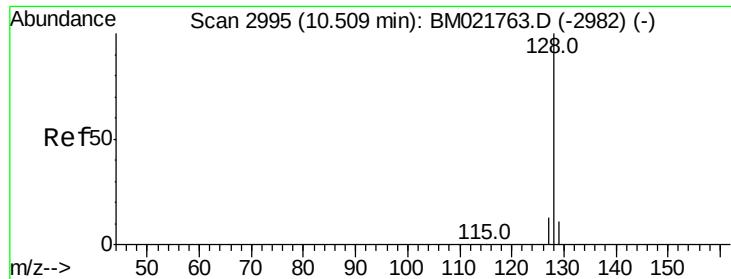
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.787 ng/ul

RT: 10.48 min Scan# 2989

Delta R.T. -0.02 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

Instrument :

BNA_M

ClientSampleId :

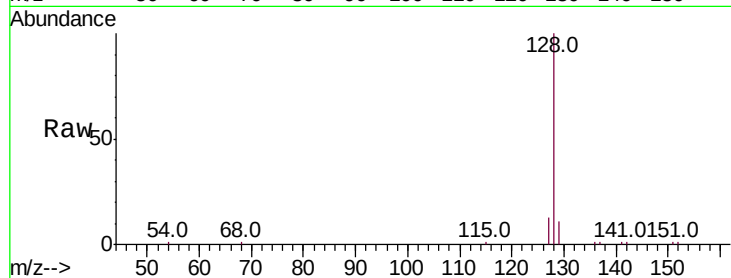
Tot Ion:128 Resp: 19975

Ion Ratio Lower Upper

128 100

129 11.4 11.8 17.6#

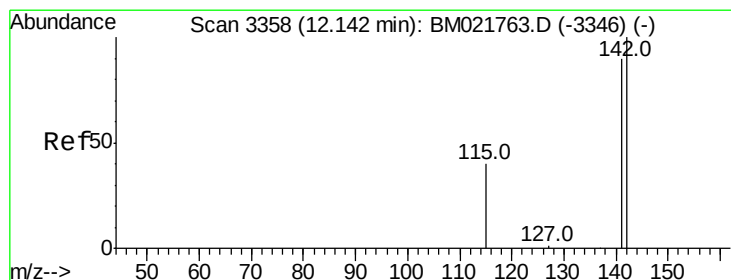
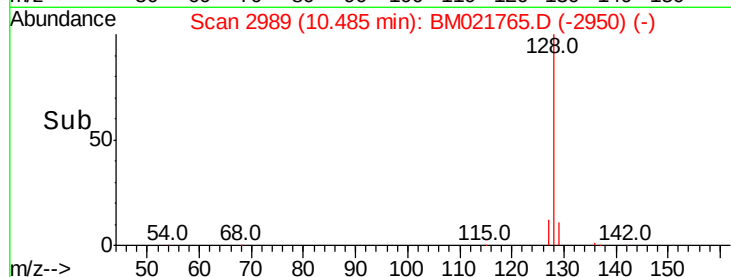
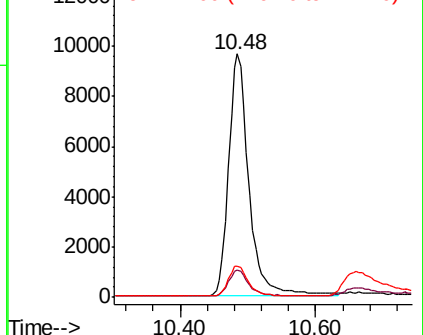
127 12.9 12.6 18.8



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: 2.149 ng/ul

RT: 12.11 min Scan# 3350

Delta R.T. -0.03 min

Lab File: BM021765.D

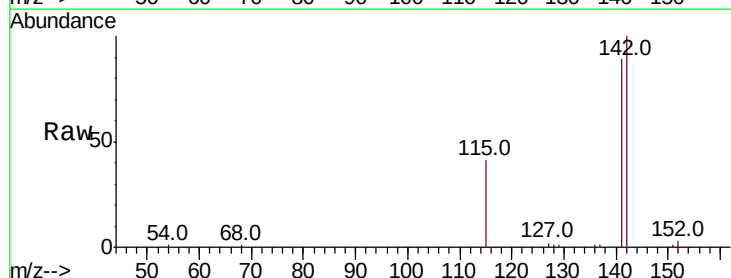
Acq: 02 Aug 2019 19:46

Tgt Ion:142 Resp: 12682

Ion Ratio Lower Upper

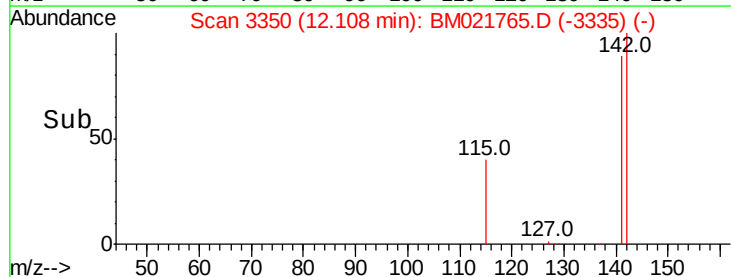
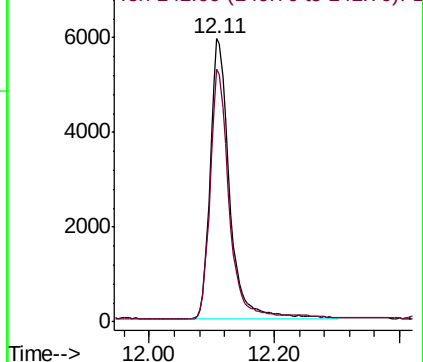
142 100

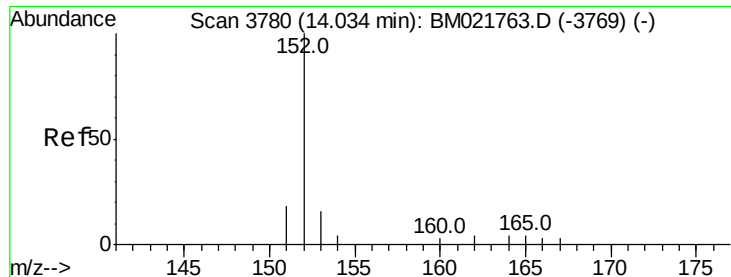
141 90.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.474 ng/ul

RT: 14.03 min Scan# 3777

Delta R.T. -0.01 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

Instrument :

BNA_M

ClientSampleId :

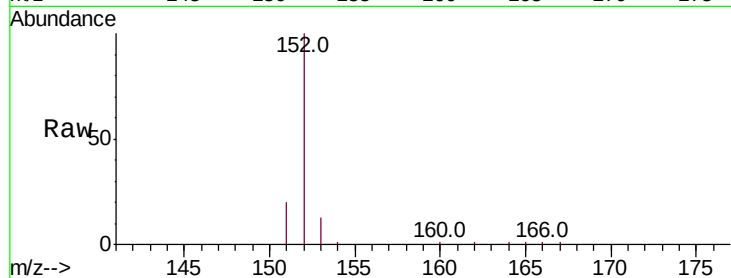
Tot Ion:152 Resp: 14811

Ion Ratio Lower Upper

152 100

151 20.0 17.0 25.4

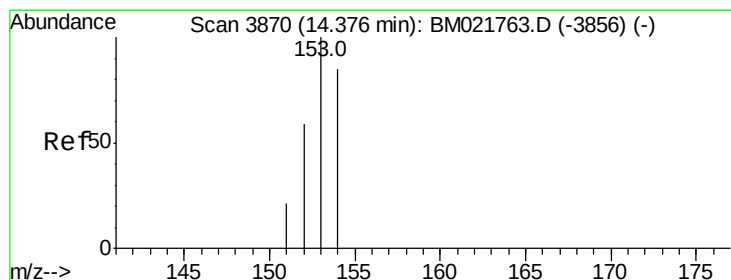
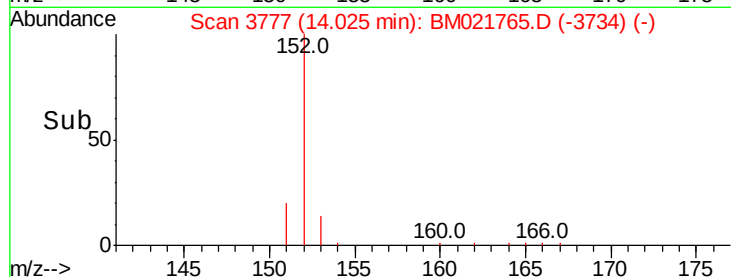
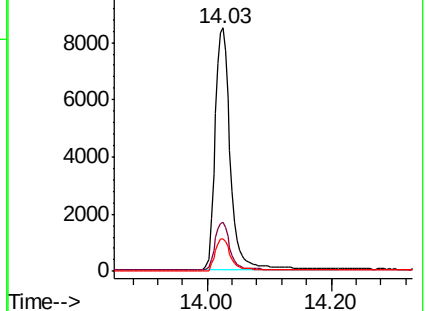
153 13.5 12.6 19.0



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: 1.726 ng/ul

RT: 14.37 min Scan# 3867

Delta R.T. -0.01 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

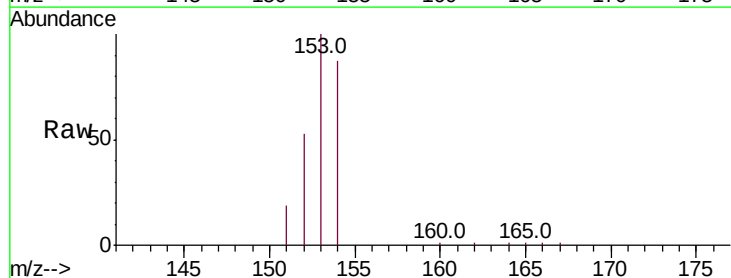
Tgt Ion:153 Resp: 12782

Ion Ratio Lower Upper

153 100

152 53.3 48.9 73.3

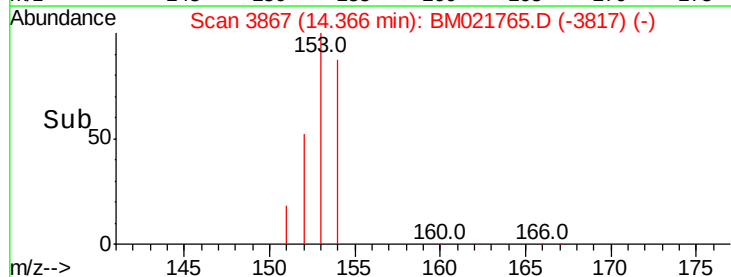
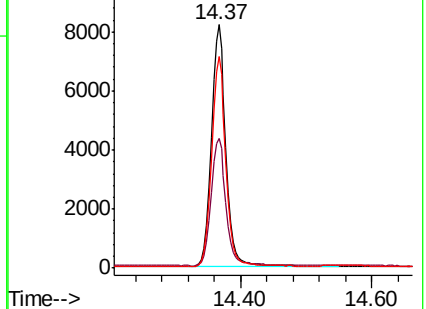
154 87.2 69.0 103.6

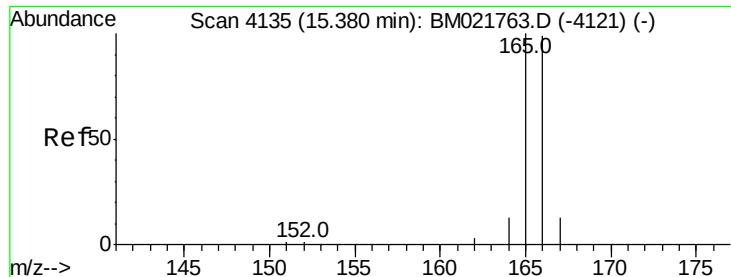


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.660 ng/ul

RT: 15.36 min Scan# 4129

Delta R.T. -0.02 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

Instrument :

BNA_M

ClientSampleId :

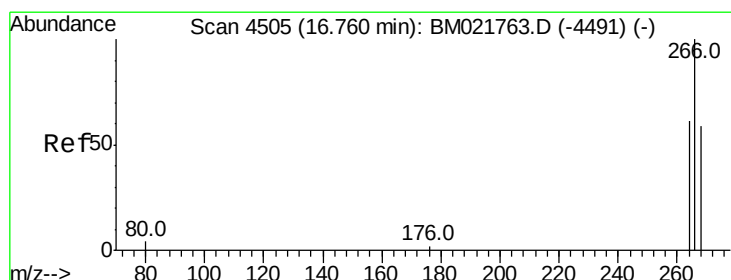
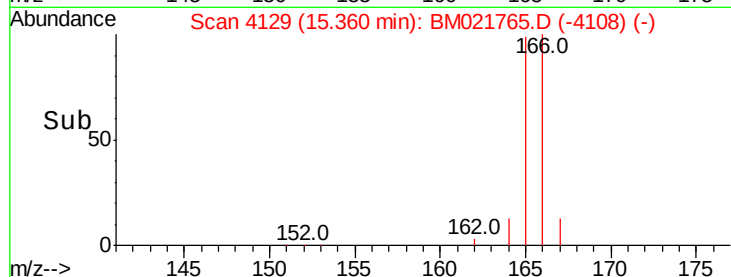
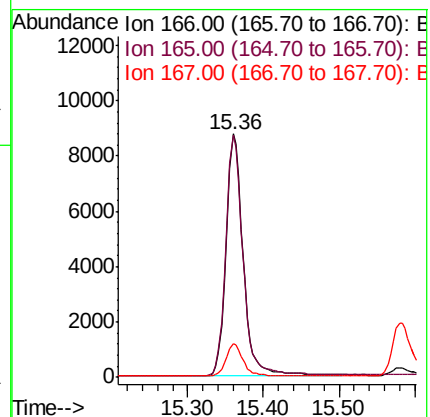
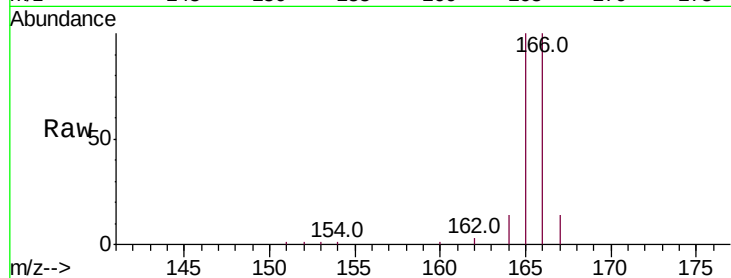
Tot Ion:166 Resp: 13800

Ion Ratio Lower Upper

166 100

165 99.6 81.6 122.4

167 13.8 12.8 19.2



#11

Pentachlorophenol

Concen: 0.674 ng/ul

RT: 16.73 min Scan# 4495

Delta R.T. -0.03 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

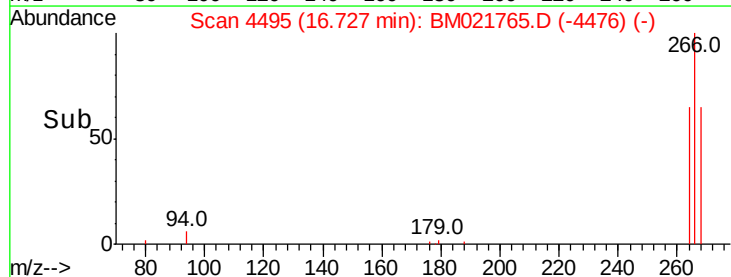
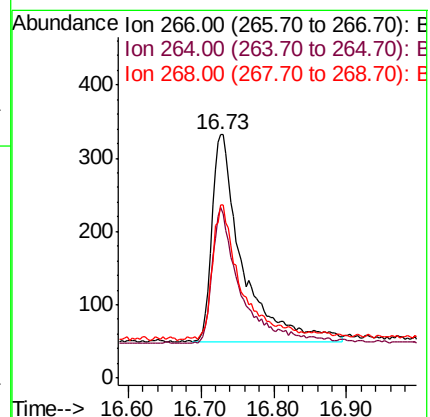
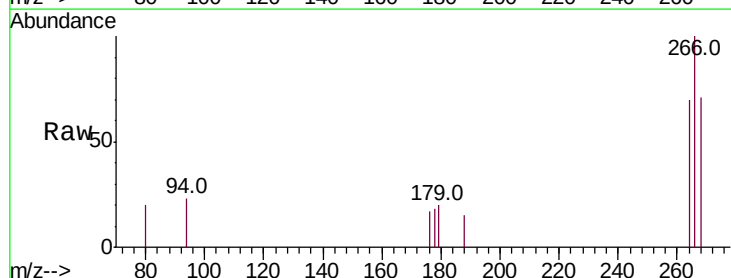
Tgt Ion:266 Resp: 807

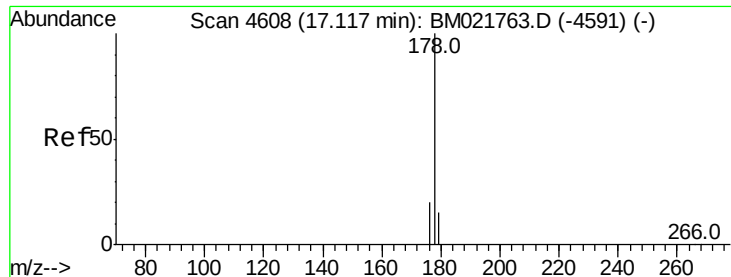
Ion Ratio Lower Upper

266 100

264 63.2 51.8 77.6

268 61.2 36.2 54.4#





#12

Phenanthrene

Concen: 2.029 ng/ul

RT: 17.10 min Scan# 4603

Delta R.T. -0.02 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

Instrument :

BNA_M

ClientSampleId :

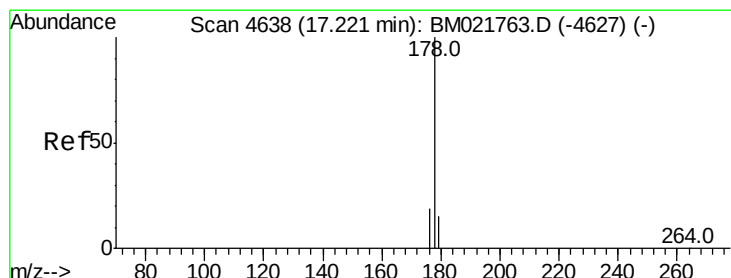
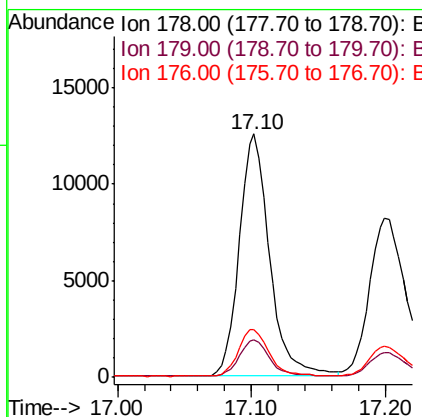
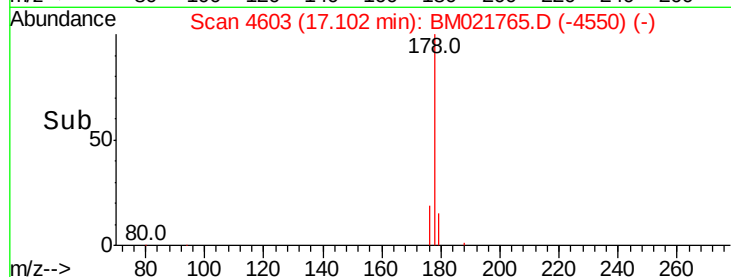
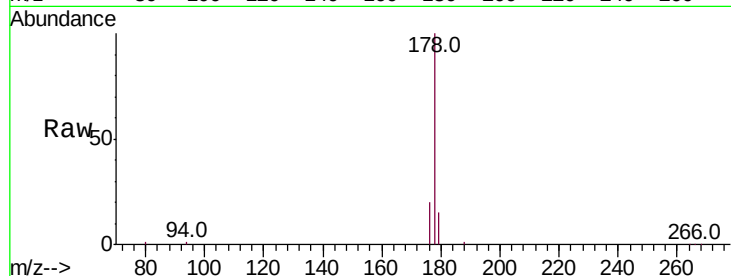
Tot Ion:178 Resp: 19669

Ion Ratio Lower Upper

178 100

179 15.2 13.8 20.6

176 19.7 17.4 26.0



#13

Anthracene

Concen: 1.960 ng/ul

RT: 17.20 min Scan# 4631

Delta R.T. -0.02 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

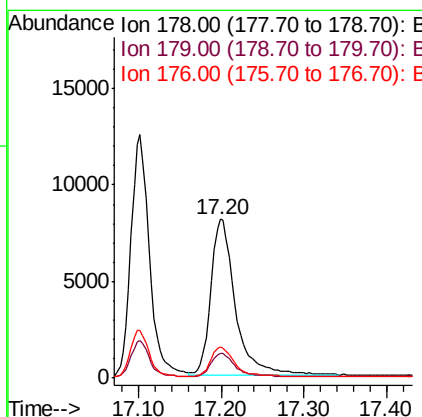
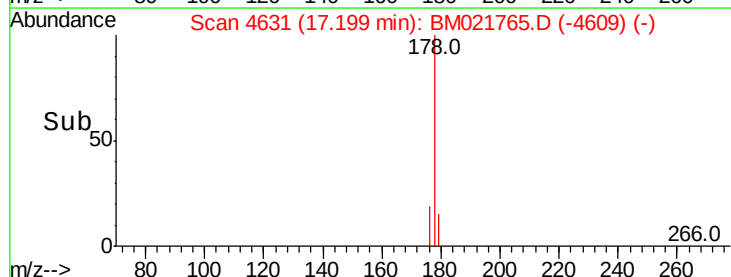
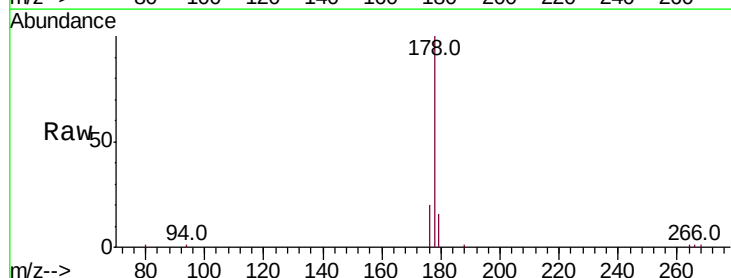
Tgt Ion:178 Resp: 16355

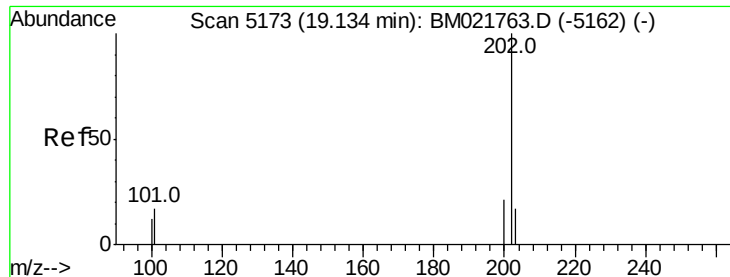
Ion Ratio Lower Upper

178 100

179 15.8 15.2 22.8

176 19.6 17.4 26.0

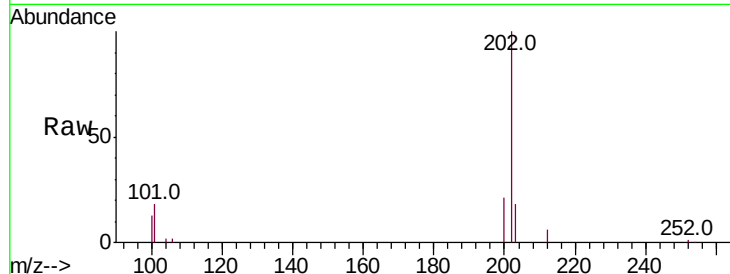




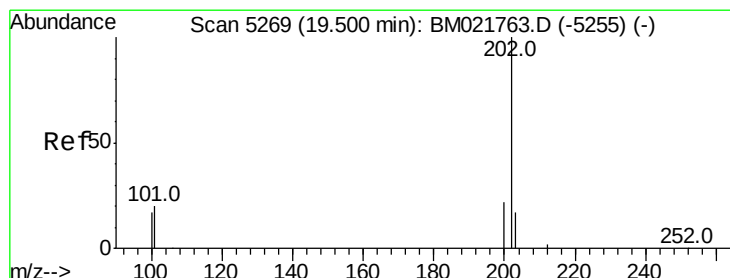
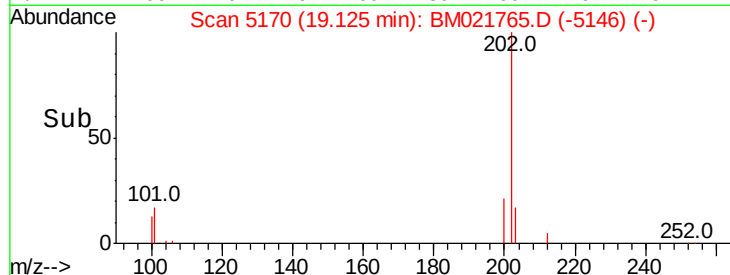
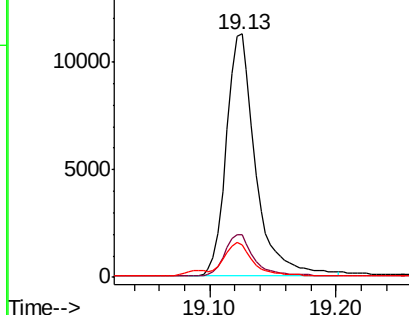
#15
Fluoranthene
Concen: 1.502 ng/ul
RT: 19.13 min Scan# 5170
Delta R.T. -0.01 min
Lab File: BM021765.D
Acq: 02 Aug 2019 19:46

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	17.6	0.0	39.0
100	13.5	0.0	35.4

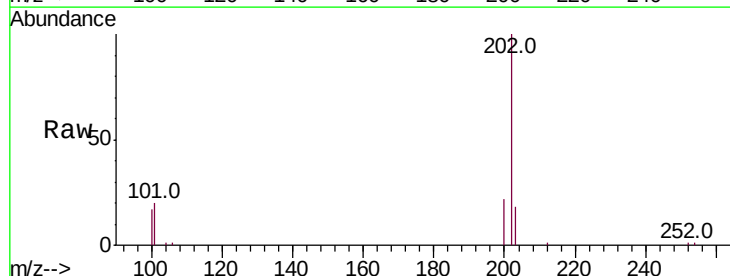


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

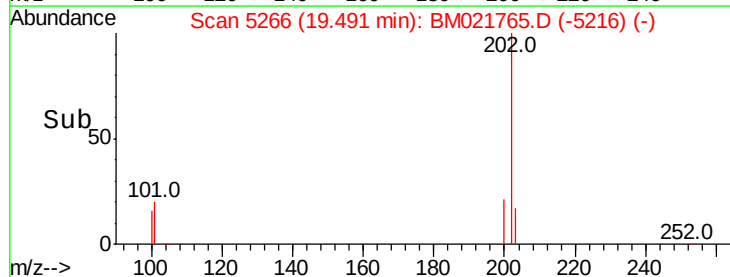
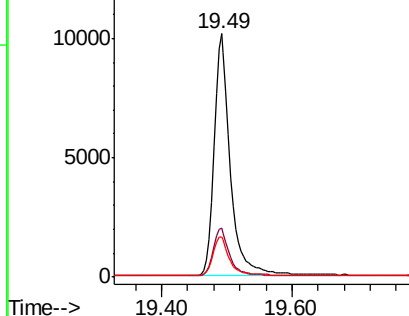


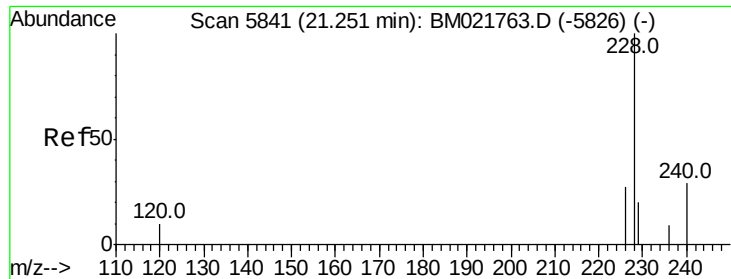
#17
Pyrene
Concen: 2.406 ng/ul
RT: 19.49 min Scan# 5266
Delta R.T. -0.01 min
Lab File: BM021765.D
Acq: 02 Aug 2019 19:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	20.4	18.0	27.0
100	16.7	15.0	22.6



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: 1.553 ng/ul

RT: 21.24 min Scan# 5835

Delta R.T. -0.01 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

Instrument :

BNA_M

ClientSampleId :

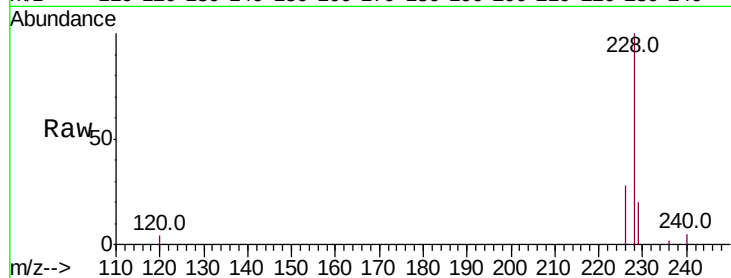
Tot Ion:228 Resp: 12787

Ion Ratio Lower Upper

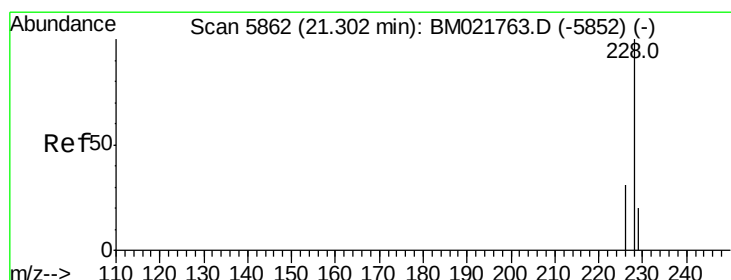
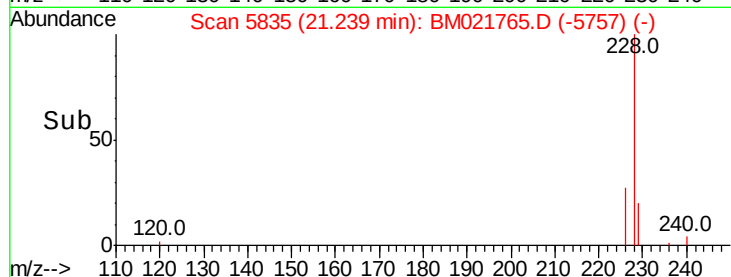
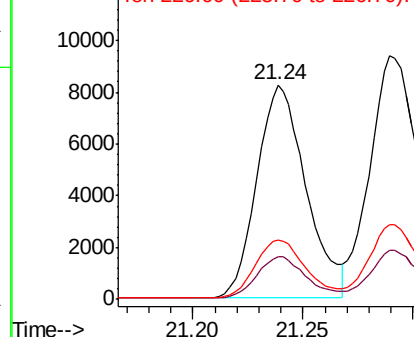
228 100

229 20.1 17.6 26.4

226 27.6 23.4 35.2



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: 1.604 ng/ul

RT: 21.29 min Scan# 5856

Delta R.T. -0.01 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

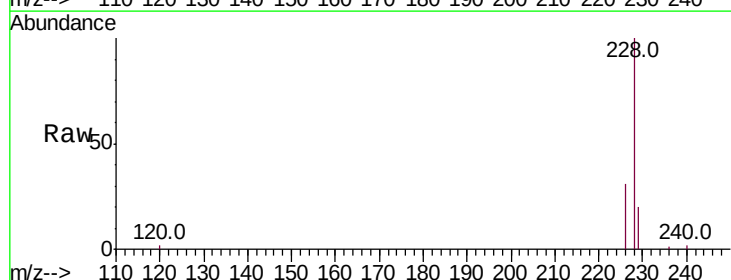
Tgt Ion:228 Resp: 16647

Ion Ratio Lower Upper

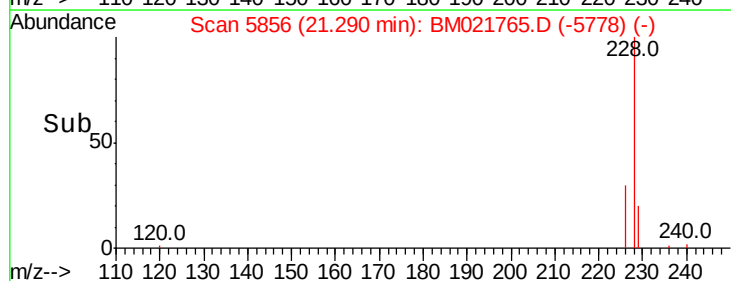
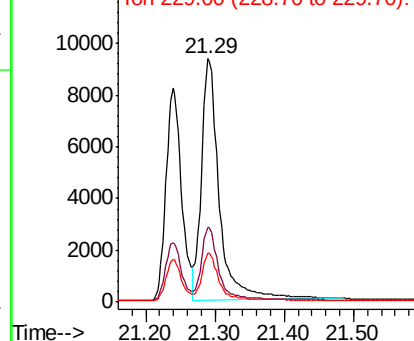
228 100

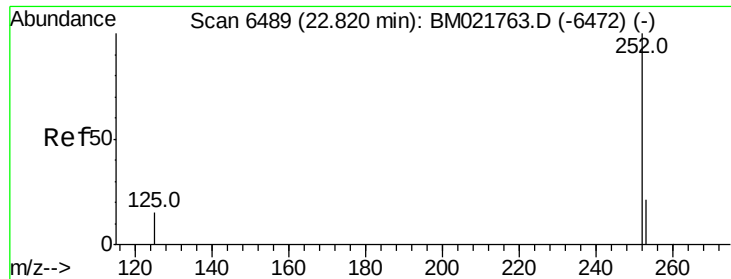
226 30.7 25.4 38.0

229 20.0 17.4 26.0



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: 1.694 ng/ul

RT: 22.81 min Scan# 6483

Delta R.T. -0.01 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

Instrument :

BNA_M

ClientSampleId :

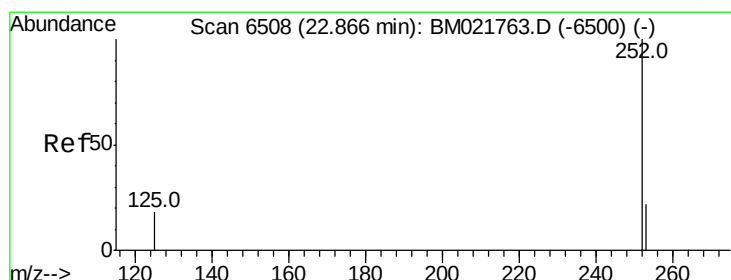
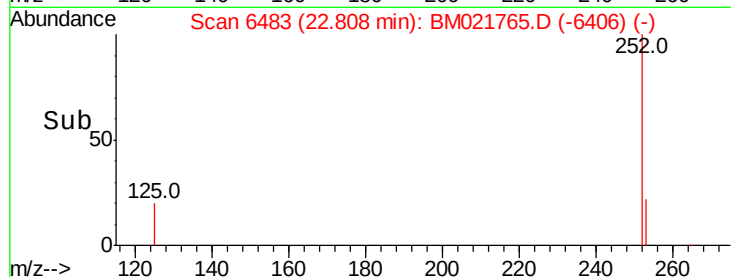
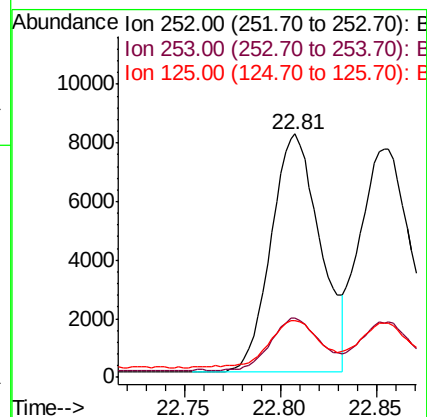
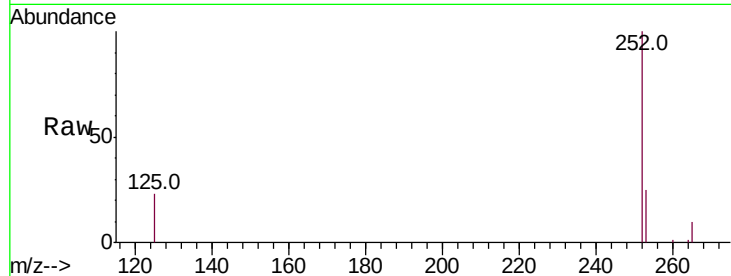
Tot Ion:252 Resp: 14397

Ion Ratio Lower Upper

252 100

253 24.5 0.0 63.2

125 23.4 0.0 69.6



#22

Benzo(k)fluoranthene

Concen: 1.847 ng/ul

RT: 22.86 min Scan# 6503

Delta R.T. -0.01 min

Lab File: BM021765.D

Acq: 02 Aug 2019 19:46

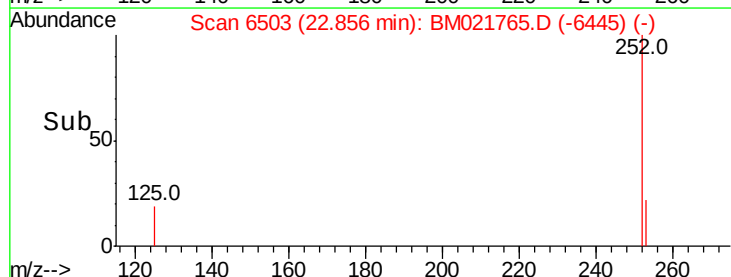
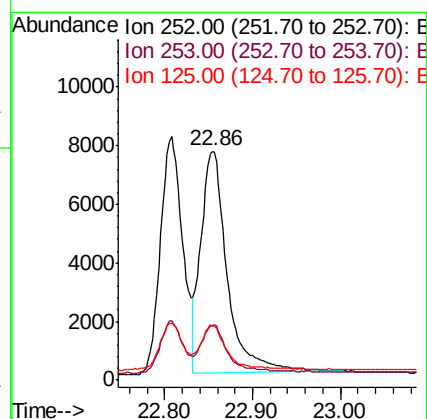
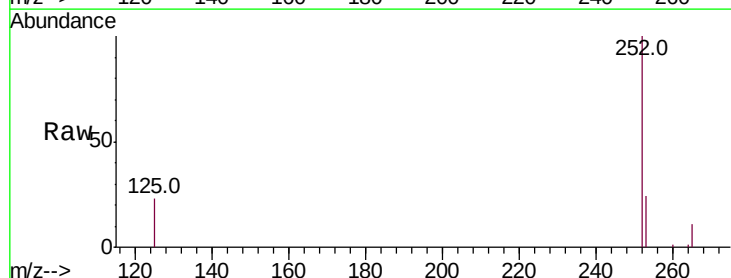
Tgt Ion:252 Resp: 15905

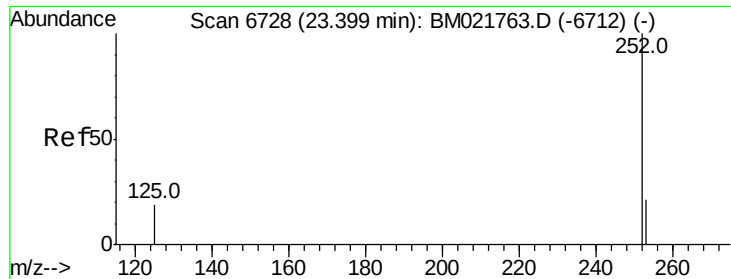
Ion Ratio Lower Upper

252 100

253 24.5 26.4 39.6#

125 23.4 29.2 43.8#

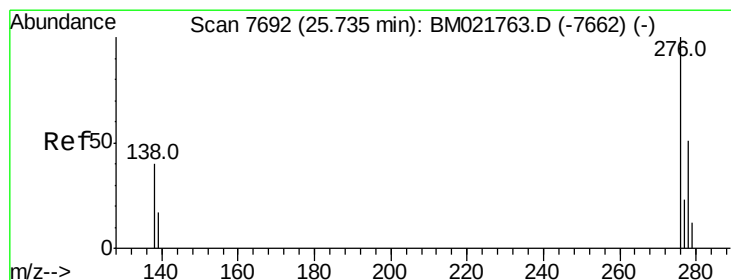
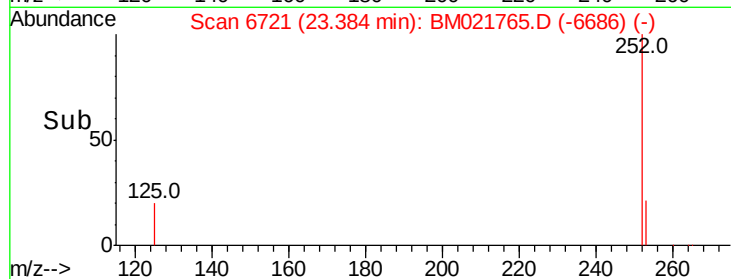
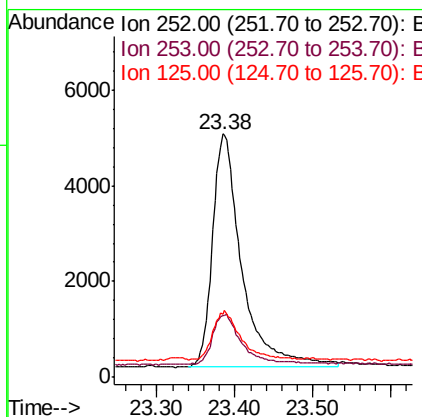
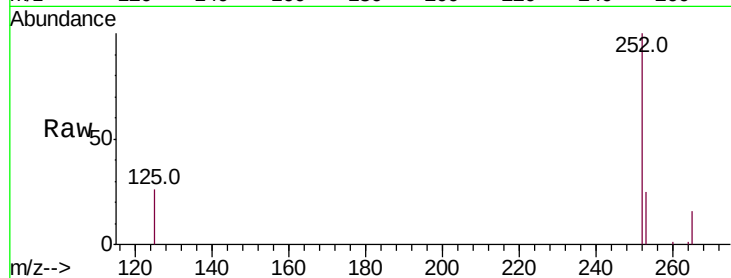




#23
Benzo(a)pyrene
Concen: 1.666 ng/ul
RT: 23.38 min Scan# 6721
Delta R.T. -0.01 min
Lab File: BM021765.D
Acq: 02 Aug 2019 19:46

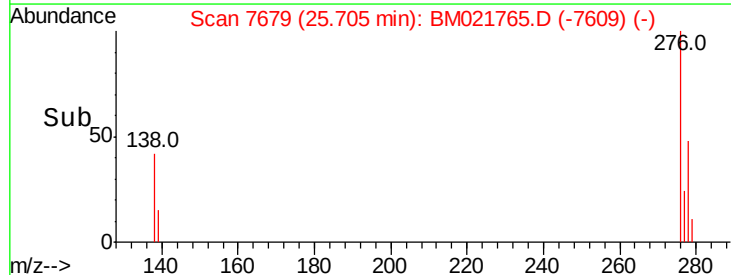
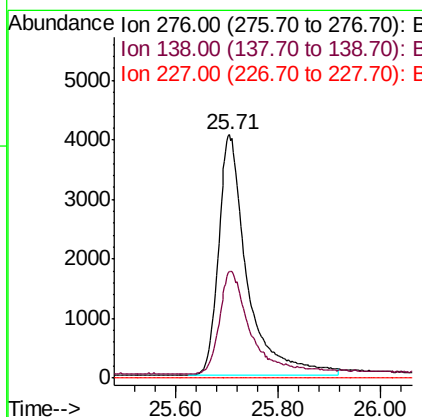
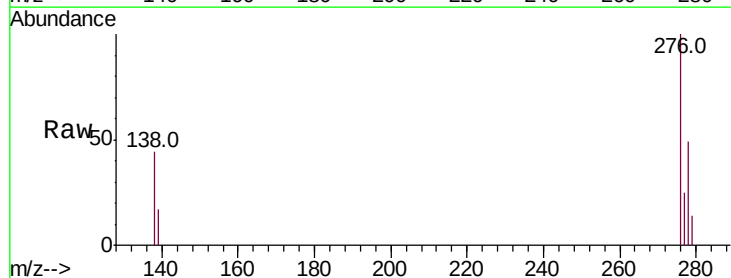
Instrument :
BNA_M
ClientSampleId :

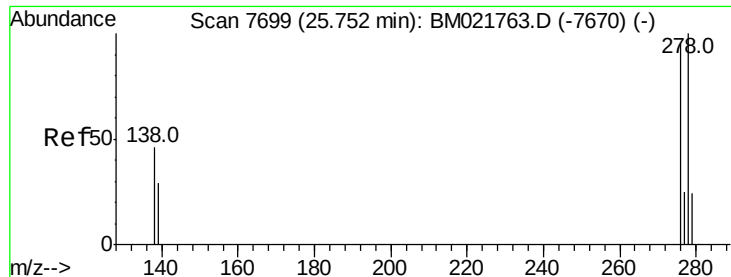
Tot Ion:252 Resp: 12723
Ion Ratio Lower Upper
252 100
253 25.4 32.2 48.4#
125 25.9 38.6 58.0#



#24
Indeno(1,2,3-cd)pyrene
Concen: 1.544 ng/ul
RT: 25.71 min Scan# 7679
Delta R.T. -0.03 min
Lab File: BM021765.D
Acq: 02 Aug 2019 19:46

Tgt Ion:276 Resp: 15785
Ion Ratio Lower Upper
276 100
138 46.6 35.1 52.7
227 0.0 0.0 0.0

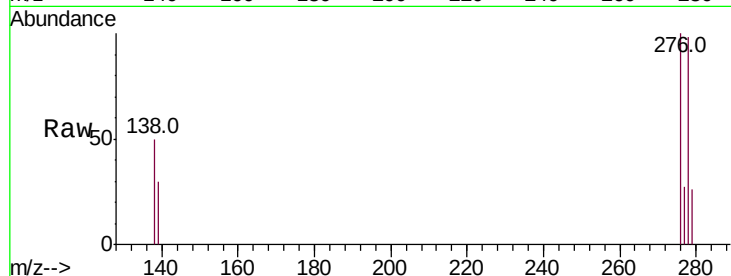




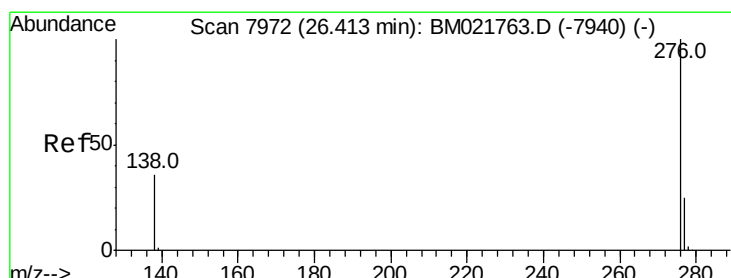
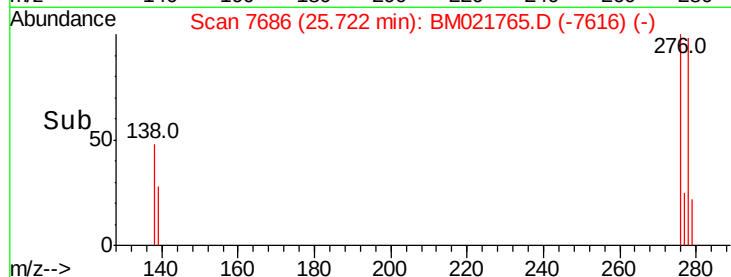
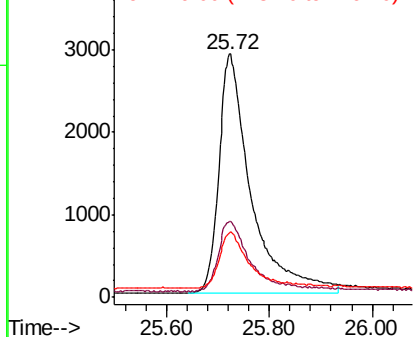
#25
Dibenzo(a,h)anthracene
Concen: 1.586 ng/ul
RT: 25.72 min Scan# 7686
Delta R.T. -0.03 min
Lab File: BM021765.D
Acq: 02 Aug 2019 19:46

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 12702
Ion Ratio Lower Upper
278 100
139 31.1 31.6 47.4#
279 26.4 34.2 51.2#

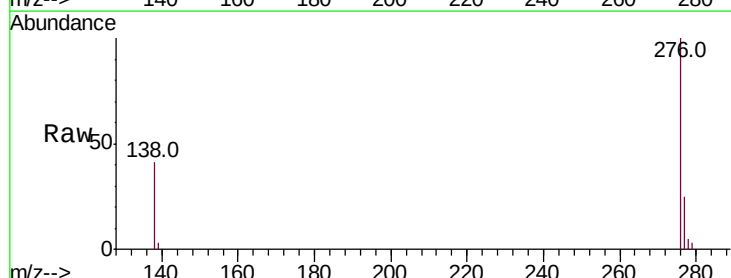


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 1.475 ng/ul
RT: 26.39 min Scan# 7962
Delta R.T. -0.02 min
Lab File: BM021765.D
Acq: 02 Aug 2019 19:46

Tgt Ion:276 Resp: 14445
Ion Ratio Lower Upper
276 100
138 41.3 36.0 54.0
277 24.6 24.4 36.6



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

