

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080219\
 Data File : BM021766.D
 Acq On : 02 Aug 2019 20:22
 Operator : HP/JU
 Sample : SSTD3.218
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 02 23:41:38 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

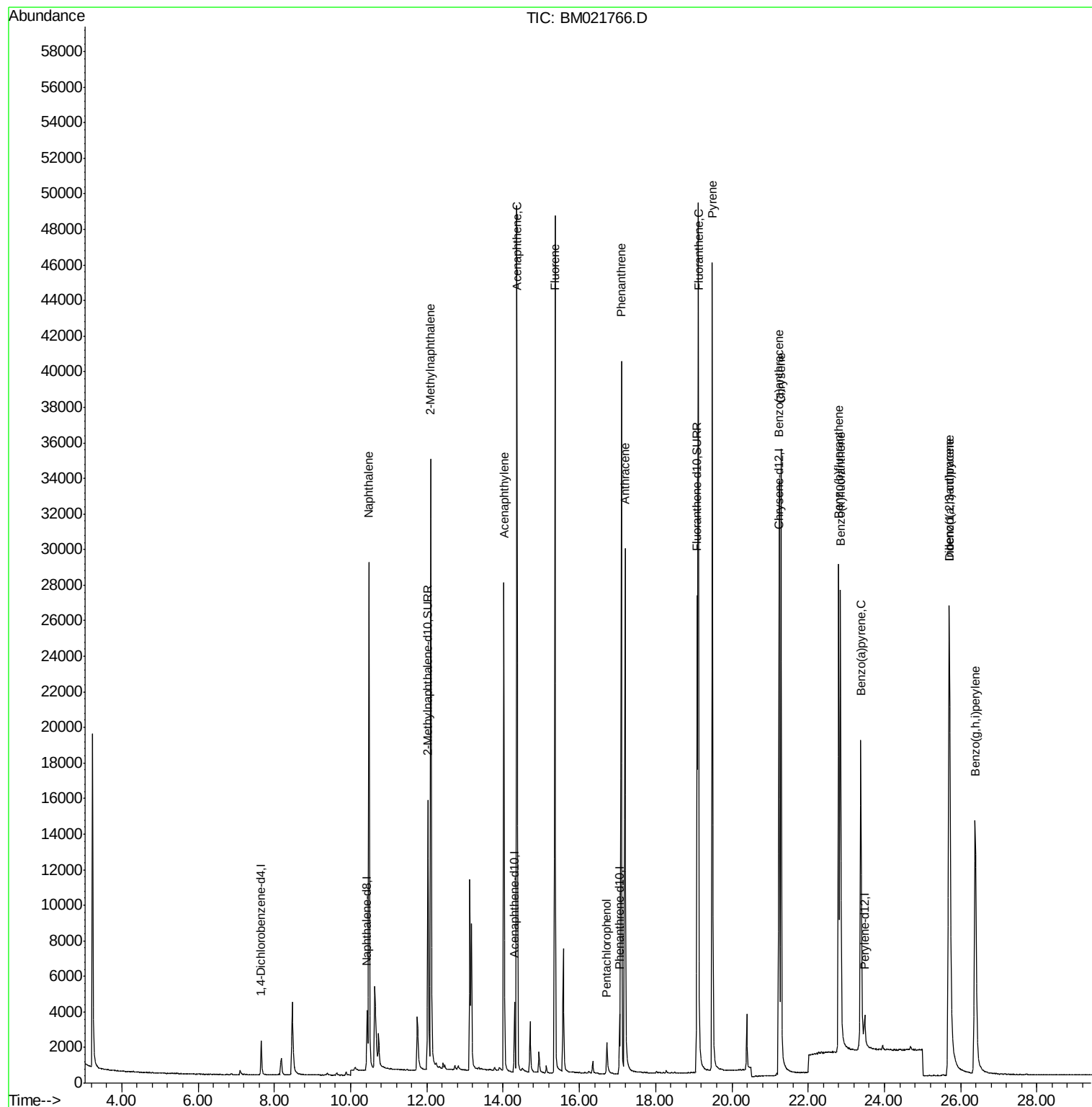
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	1123	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	4784	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.30	164	2075	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.06	188	3858	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	3090	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	2534	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	22346	3.91	ng/ul	-0.04
14) Fluoranthene-d10	19.09	212	28850	2.60	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.48	128	41615	3.445	ng/ul#	92
5) 2-Methylnaphthalene	12.10	142	27486	4.310	ng/ul	97
7) Acenaphthylene	14.02	152	32619	2.877	ng/ul	95
8) Acenaphthene	14.36	153	28005	3.352	ng/ul	95
9) Fluorene	15.36	166	30485	3.250	ng/ul	97
11) Pentachlorophenol	16.72	266	1877	1.425	ng/ul#	87
12) Phenanthrene	17.10	178	43439	4.071	ng/ul	96
13) Anthracene	17.20	178	38201	4.159	ng/ul	93
15) Fluoranthene	19.12	202	41191	3.089	ng/ul	96
17) Pyrene	19.49	202	40083	4.580	ng/ul	95
18) Benzo(a)anthracene	21.23	228	30277	3.145	ng/ul	96
19) Chrysene	21.29	228	35518	2.927	ng/ul	97
21) Benzo(b)fluoranthene	22.80	252	32286	3.450	ng/ul	80
22) Benzo(k)fluoranthene	22.85	252	34604	3.651	ng/ul#	78
23) Benzo(a)pyrene	23.38	252	29090	3.461	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.69	276	36096	3.208	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.71	278	29276	3.320	ng/ul#	78
26) Benzo(g,h,i)perylene	26.38	276	32202	2.987	ng/ul#	91

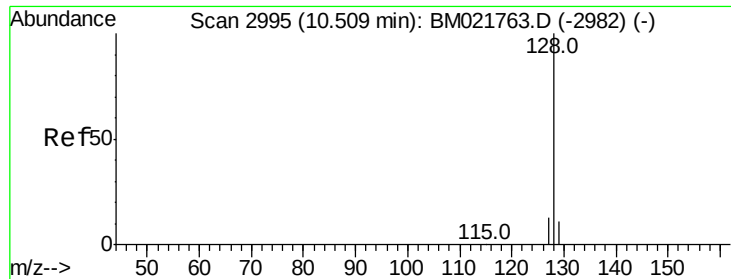
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.445 ng/ul

RT: 10.48 min Scan# 2988

Delta R.T. -0.03 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

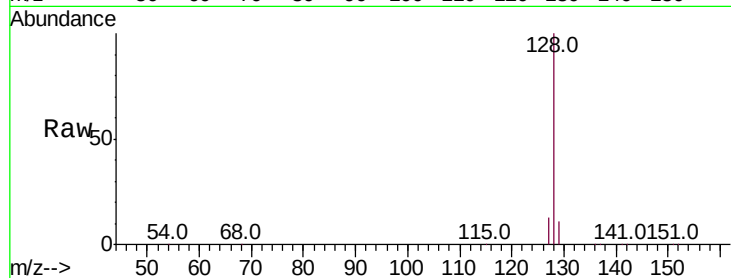
Tot Ion:128 Resp: 41615

Ion Ratio Lower Upper

128 100

129 11.1 11.8 17.6#

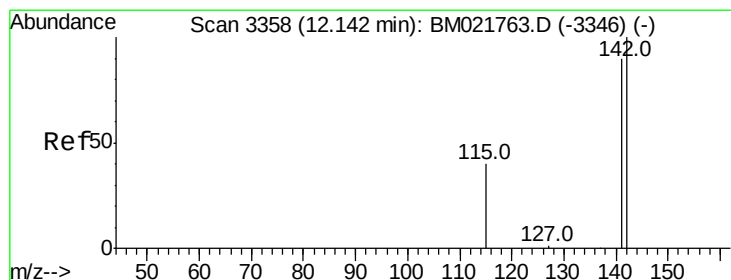
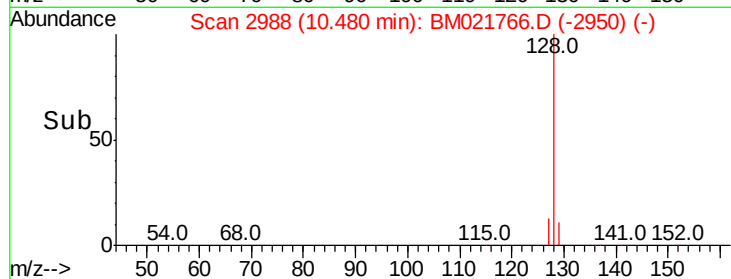
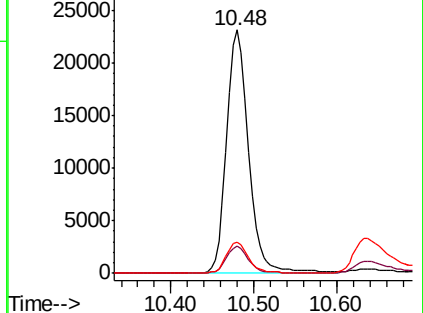
127 12.8 12.6 18.8



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: 4.310 ng/ul

RT: 12.10 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BM021766.D

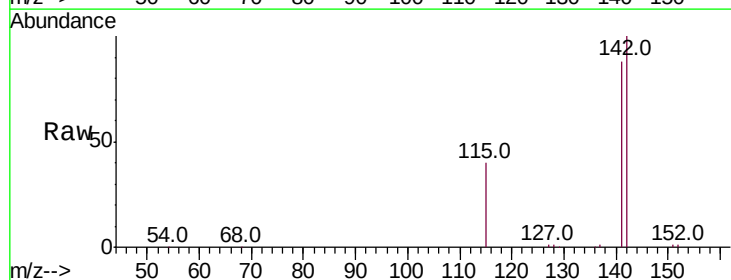
Acq: 02 Aug 2019 20:22

Tgt Ion:142 Resp: 27486

Ion Ratio Lower Upper

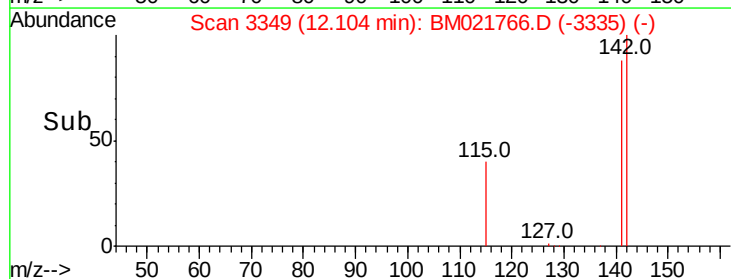
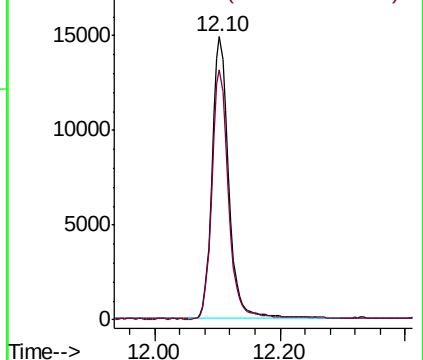
142 100

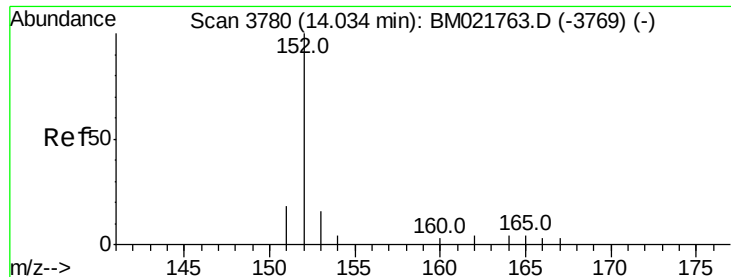
141 89.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.877 ng/ul

RT: 14.02 min Scan# 3776

Delta R.T. -0.01 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampled :

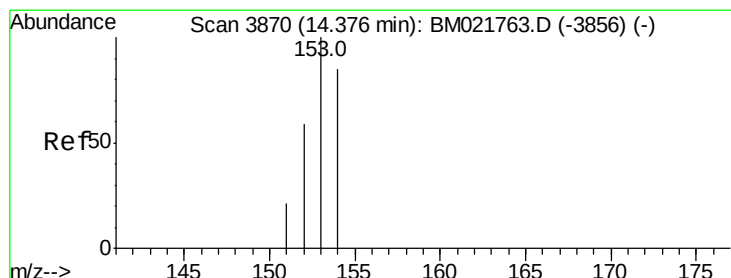
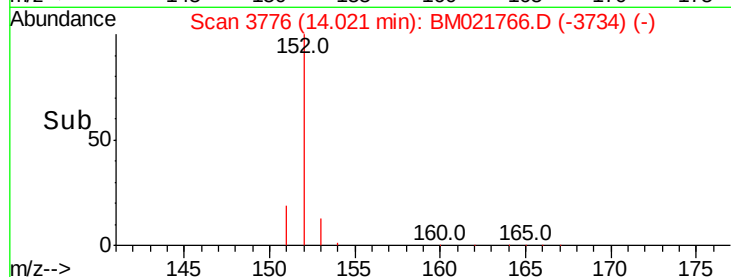
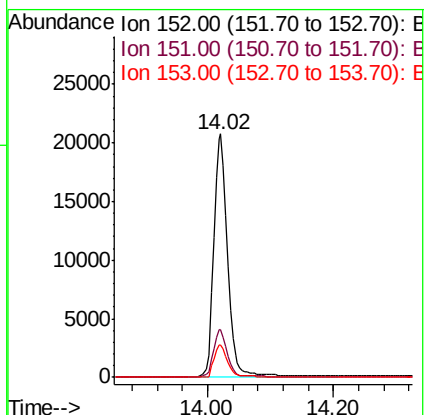
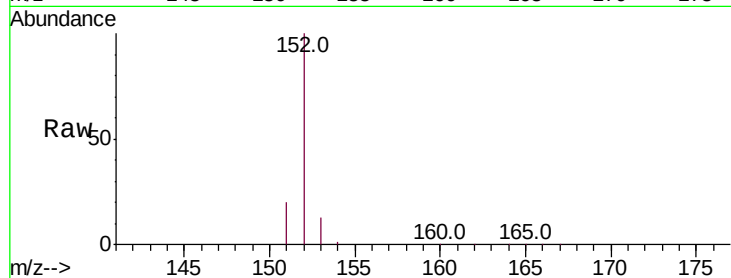
Tot Ion:152 Resp: 32619

Ion Ratio Lower Upper

152 100

151 19.6 17.0 25.4

153 13.2 12.6 19.0



#8

Acenaphthene

Concen: 3.352 ng/ul

RT: 14.36 min Scan# 3866

Delta R.T. -0.01 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

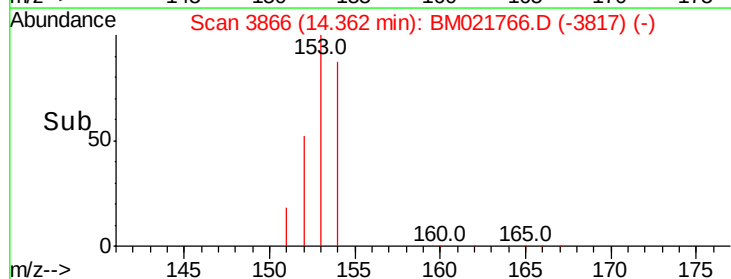
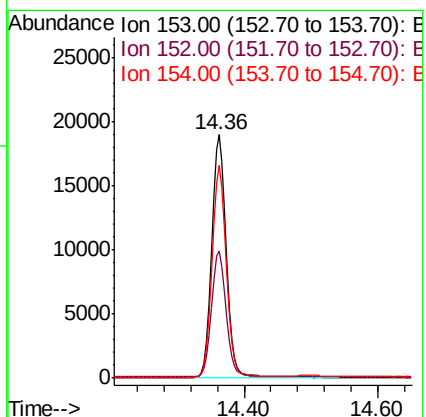
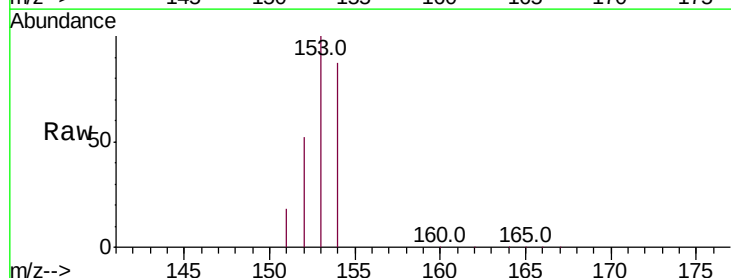
Tgt Ion:153 Resp: 28005

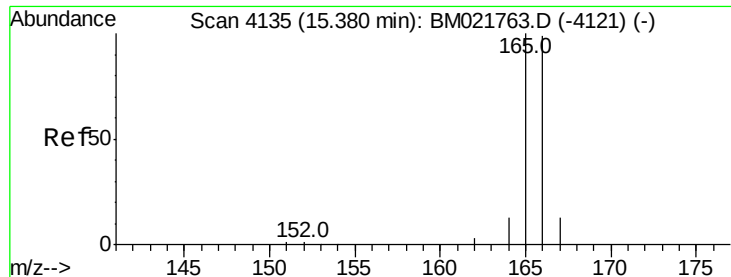
Ion Ratio Lower Upper

153 100

152 52.3 48.9 73.3

154 87.3 69.0 103.6





#9

Fluorene

Concen: 3.250 ng/ul

RT: 15.36 min Scan# 4128

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

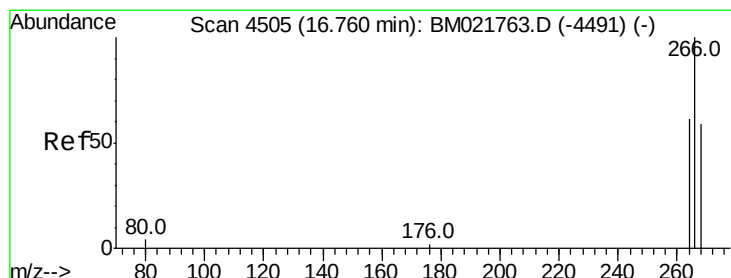
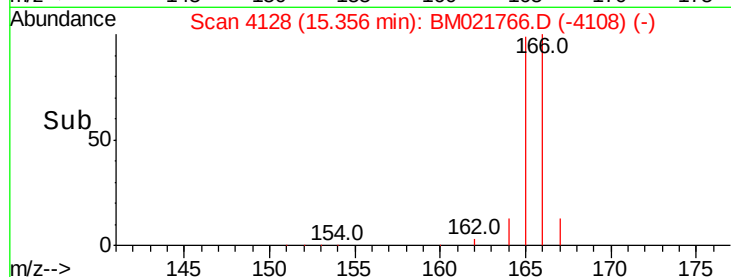
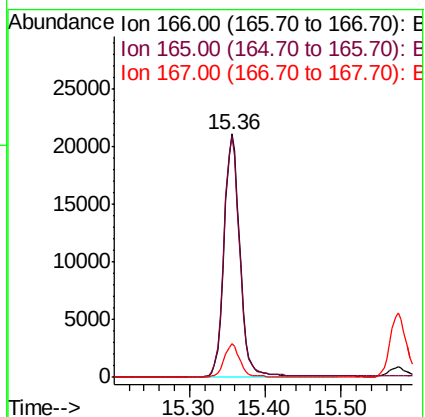
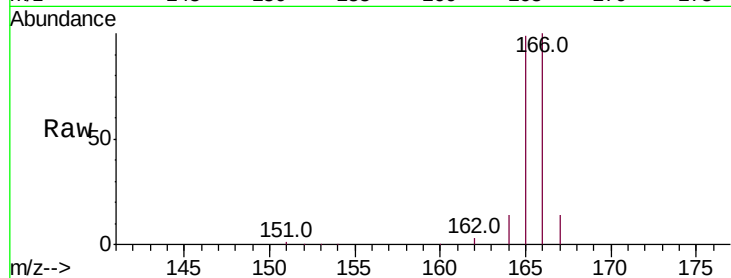
Tot Ion:166 Resp: 30485

Ion Ratio Lower Upper

166 100

165 98.9 81.6 122.4

167 13.6 12.8 19.2



#11

Pentachlorophenol

Concen: 1.425 ng/ul

RT: 16.72 min Scan# 4492

Delta R.T. -0.04 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

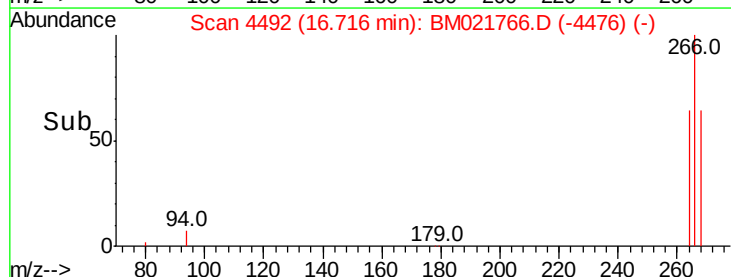
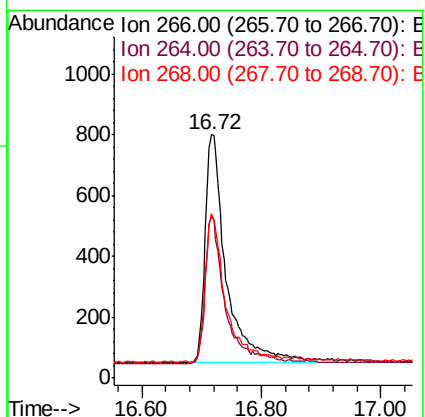
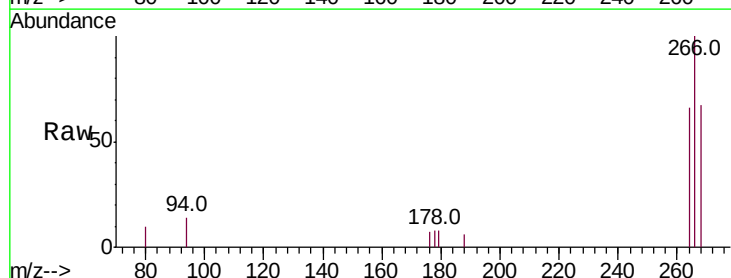
Tgt Ion:266 Resp: 1877

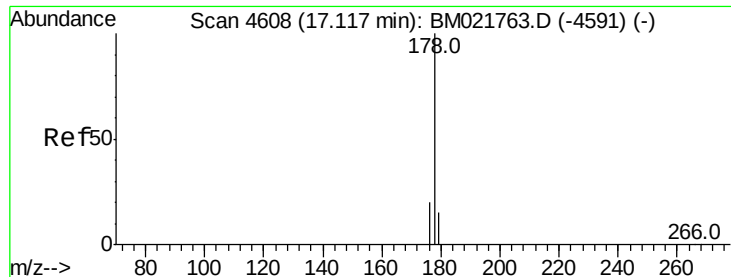
Ion Ratio Lower Upper

266 100

264 62.1 51.8 77.6

268 63.0 36.2 54.4#





#12

Phenanthrene

Concen: 4.071 ng/ul

RT: 17.10 min Scan# 4602

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

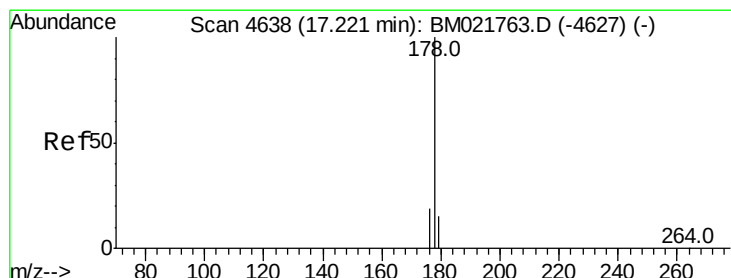
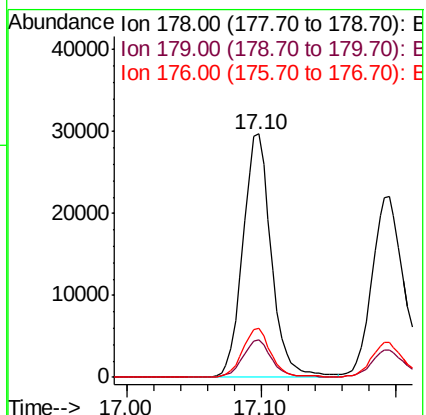
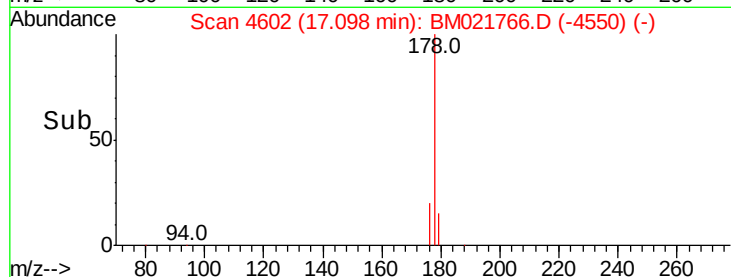
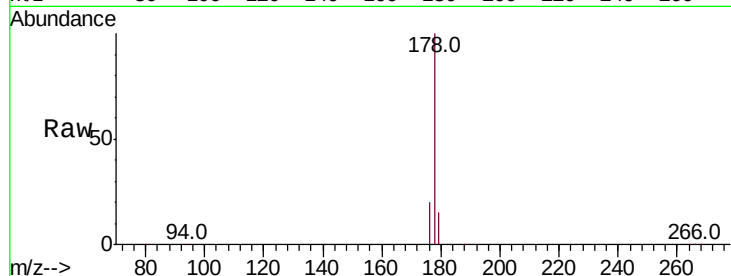
Tot Ion:178 Resp: 43439

Ion Ratio Lower Upper

178 100

179 15.2 13.8 20.6

176 19.9 17.4 26.0



#13

Anthracene

Concen: 4.159 ng/ul

RT: 17.20 min Scan# 4630

Delta R.T. -0.03 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

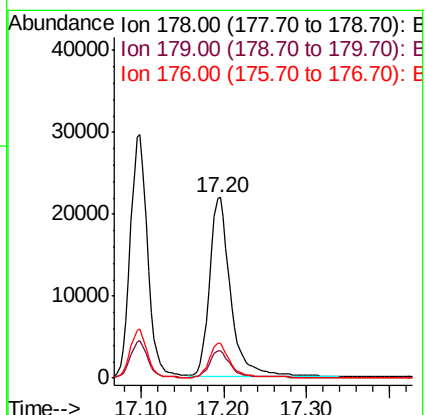
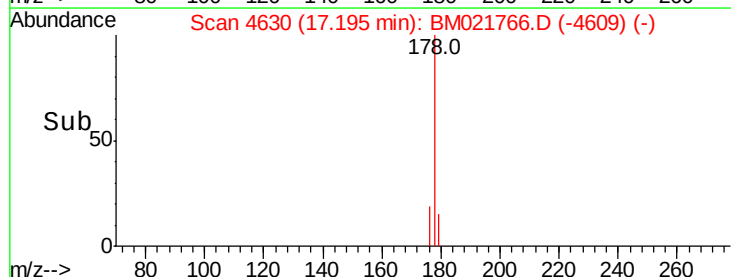
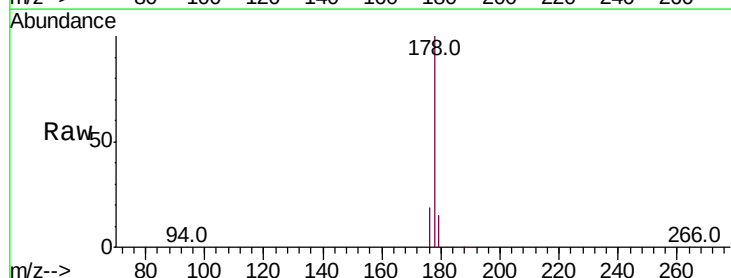
Tgt Ion:178 Resp: 38201

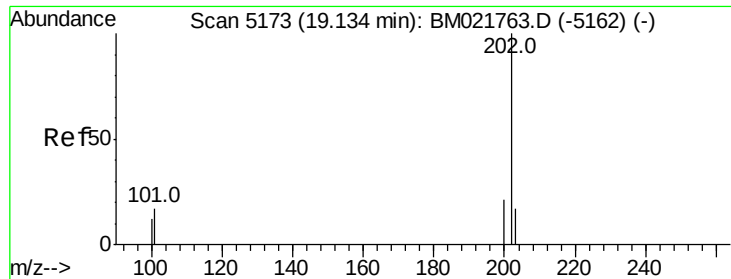
Ion Ratio Lower Upper

178 100

179 15.4 15.2 22.8

176 19.1 17.4 26.0





#15

Fluoranthene

Concen: 3.089 ng/ul

RT: 19.12 min Scan# 5168

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

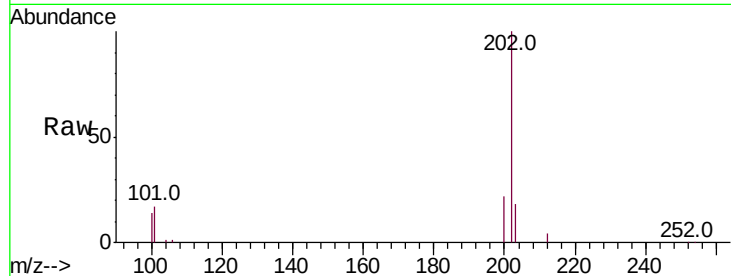
Tot Ion:202 Resp: 41191

Ion Ratio Lower Upper

202 100

101 17.5 0.0 39.0

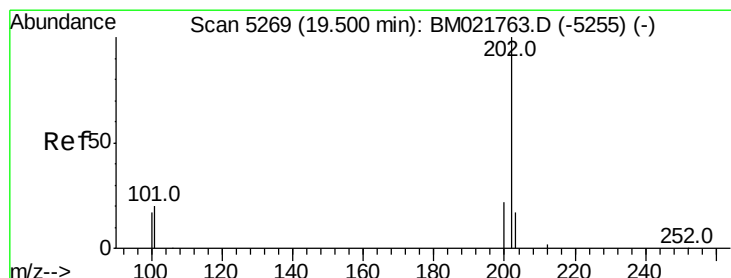
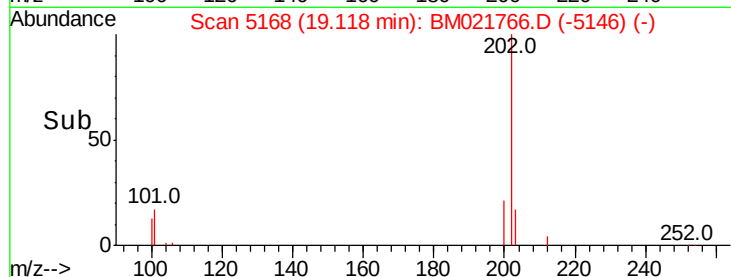
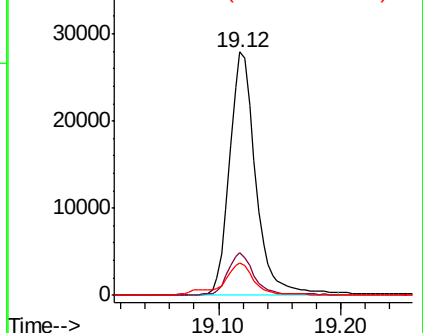
100 13.6 0.0 35.4



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: 4.580 ng/ul

RT: 19.49 min Scan# 5265

Delta R.T. -0.01 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

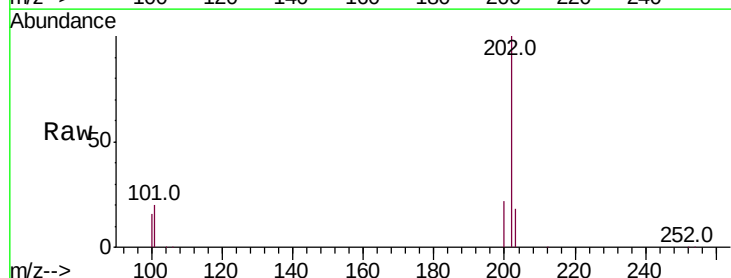
Tgt Ion:202 Resp: 40083

Ion Ratio Lower Upper

202 100

101 20.0 18.0 27.0

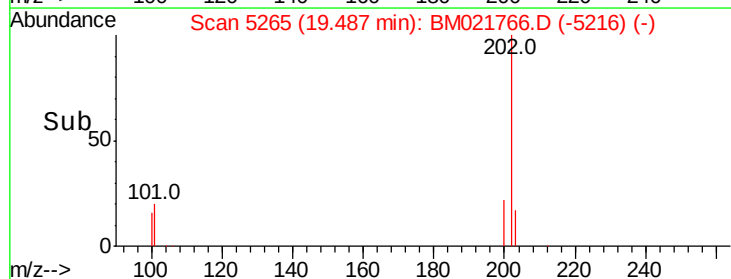
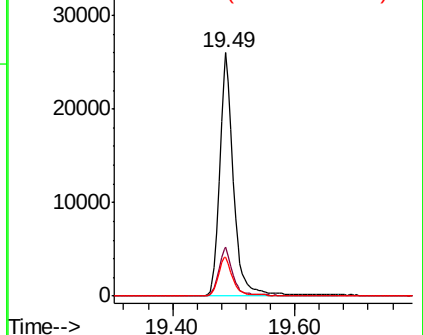
100 16.2 15.0 22.6

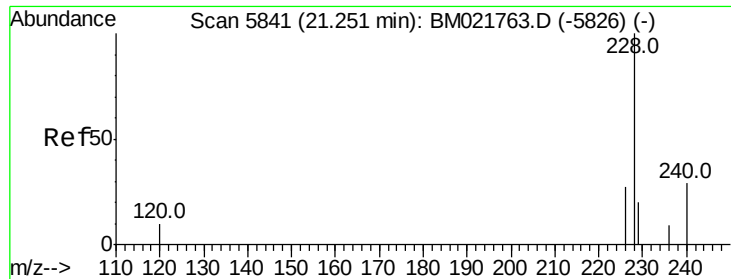


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.145 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

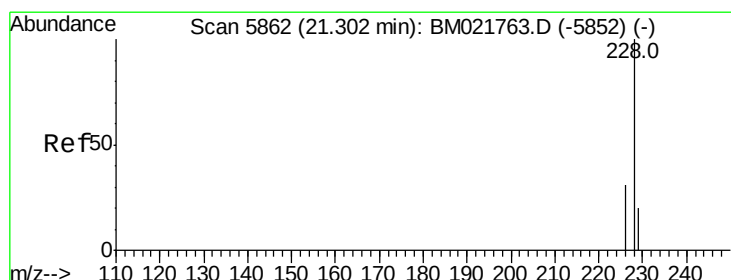
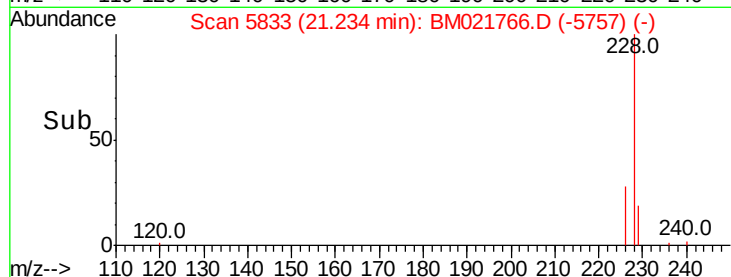
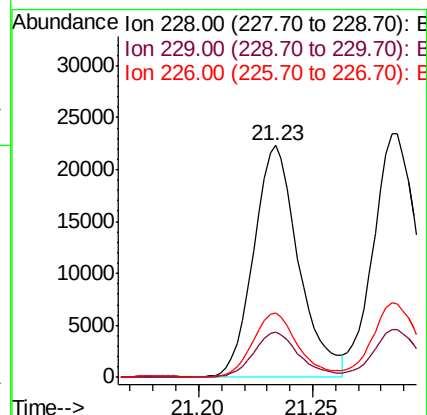
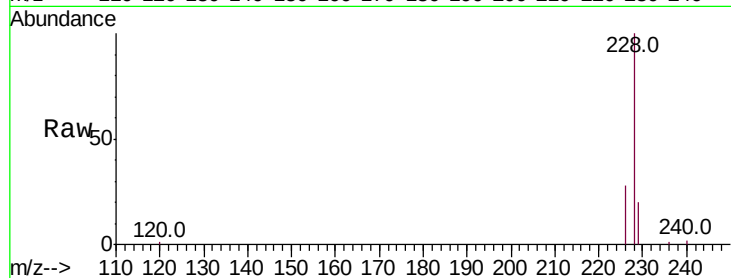
Tot Ion:228 Resp: 30277

Ion Ratio Lower Upper

228 100

229 19.7 17.6 26.4

226 27.9 23.4 35.2



#19

Chrysene

Concen: 2.927 ng/ul

RT: 21.29 min Scan# 5855

Delta R.T. -0.01 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

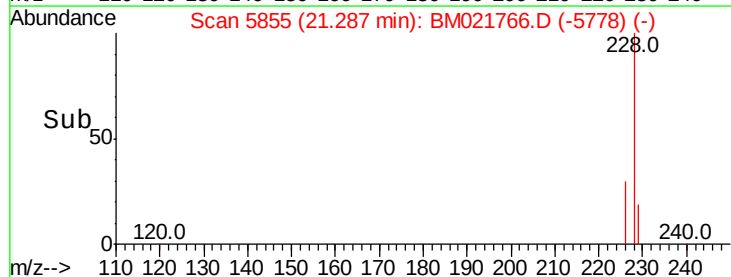
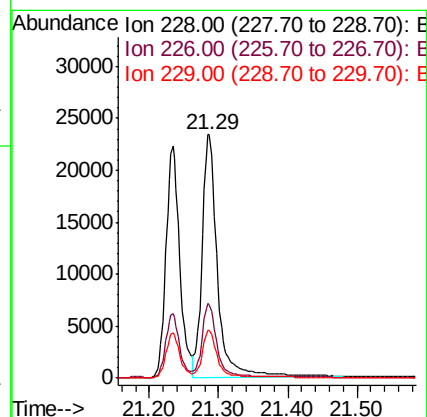
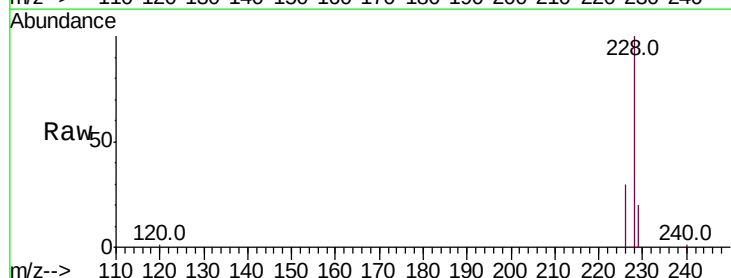
Tgt Ion:228 Resp: 35518

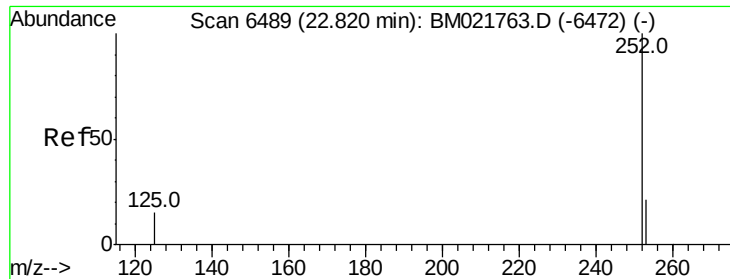
Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.0

229 19.6 17.4 26.0





#21

Benzo(b)fluoranthene

Concen: 3.450 ng/ul

RT: 22.80 min Scan# 6480

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

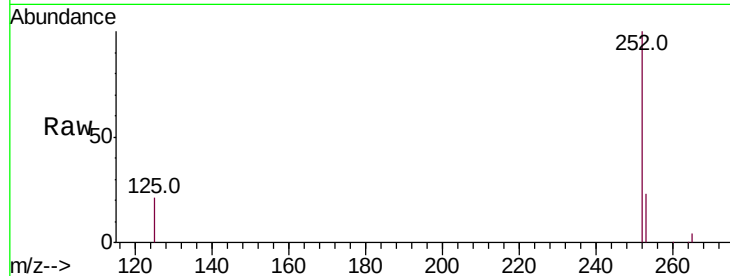
Tot Ion:252 Resp: 32286

Ion Ratio Lower Upper

252 100

253 22.5 0.0 63.2

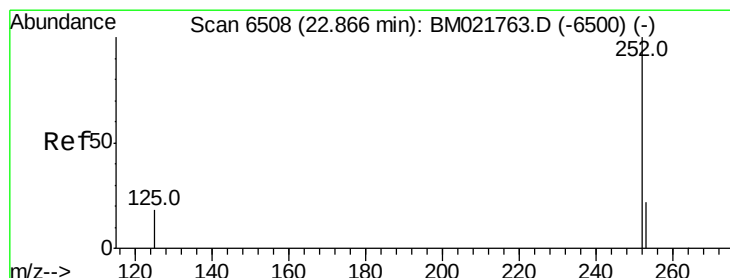
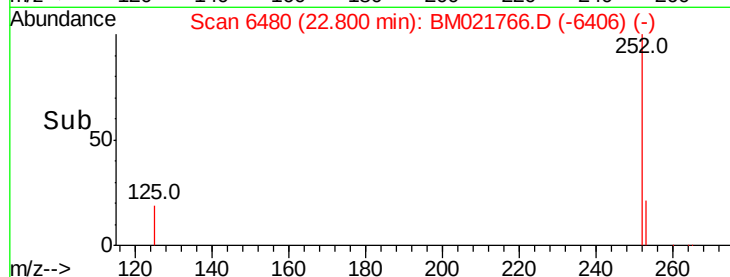
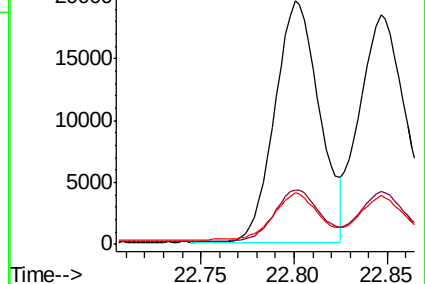
125 21.1 0.0 69.6



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: 3.651 ng/ul

RT: 22.85 min Scan# 6499

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

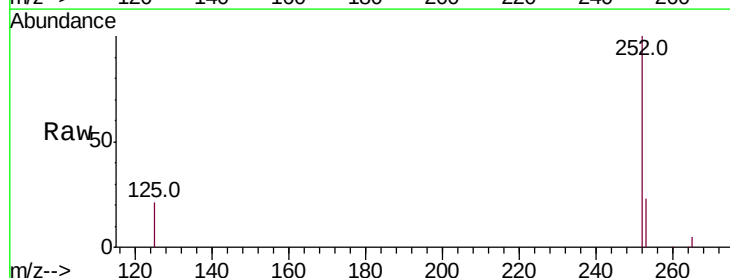
Tgt Ion:252 Resp: 34604

Ion Ratio Lower Upper

252 100

253 23.1 26.4 39.6#

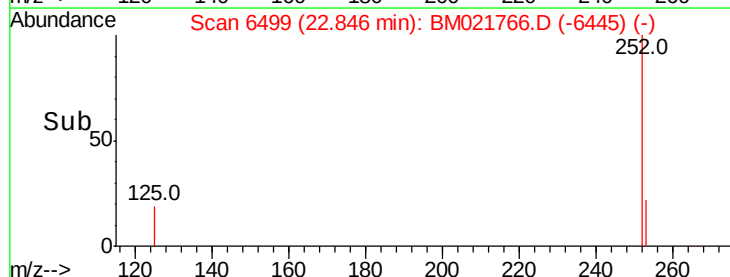
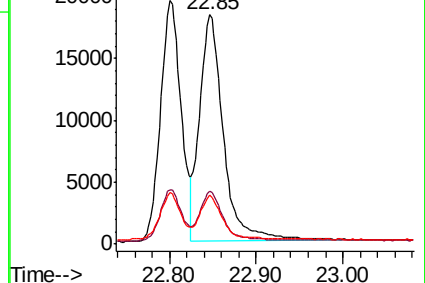
125 21.1 29.2 43.8#

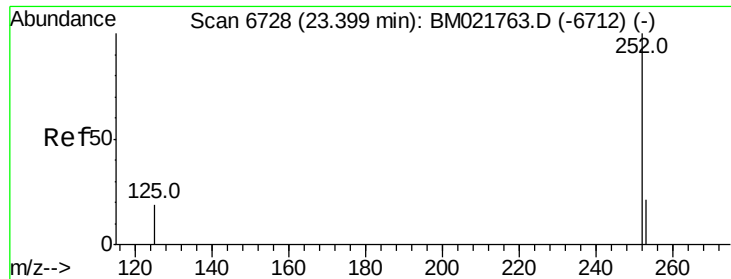


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.461 ng/ul

RT: 23.38 min Scan# 6719

Delta R.T. -0.02 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

Instrument :

BNA_M

ClientSampleId :

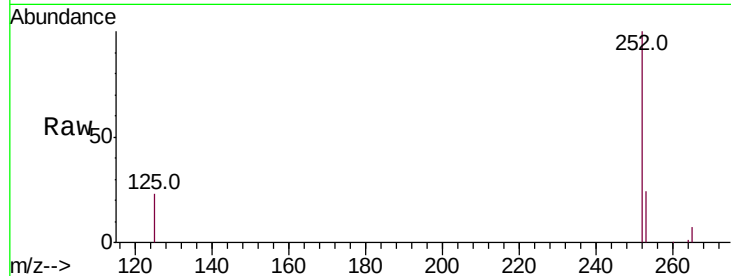
Tot Ion:252 Resp: 29090

Ion Ratio Lower Upper

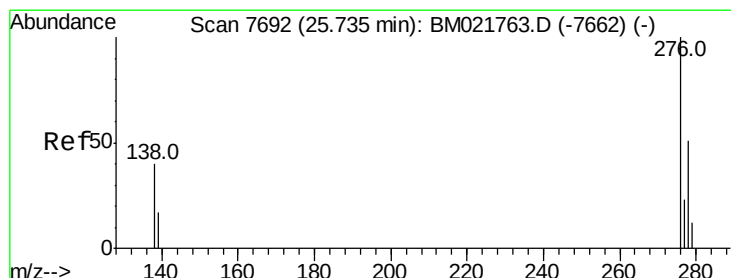
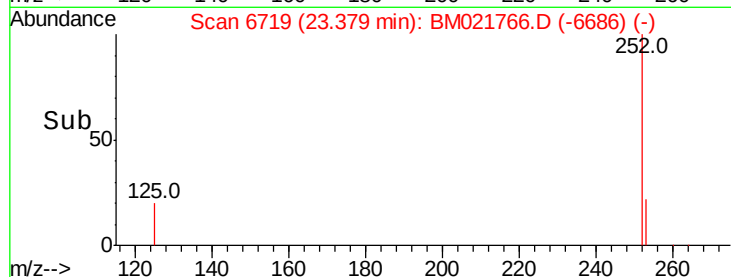
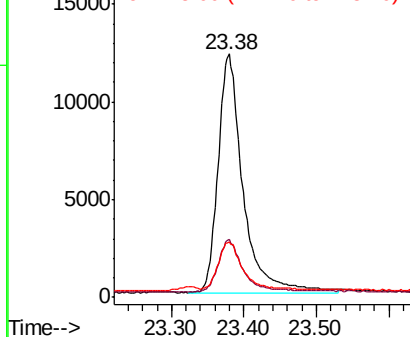
252 100

253 23.9 32.2 48.4#

125 22.7 38.6 58.0#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 3.208 ng/ul

RT: 25.69 min Scan# 7674

Delta R.T. -0.04 min

Lab File: BM021766.D

Acq: 02 Aug 2019 20:22

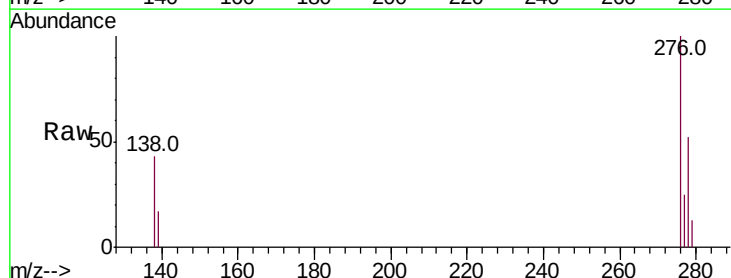
Tgt Ion:276 Resp: 36096

Ion Ratio Lower Upper

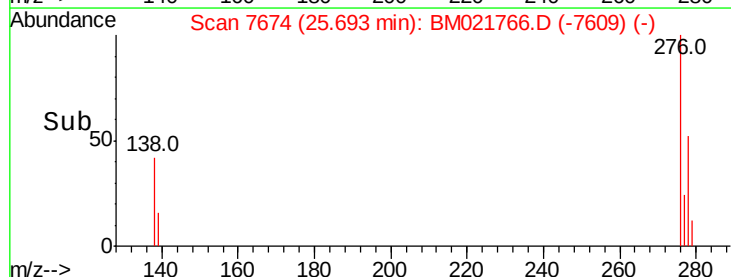
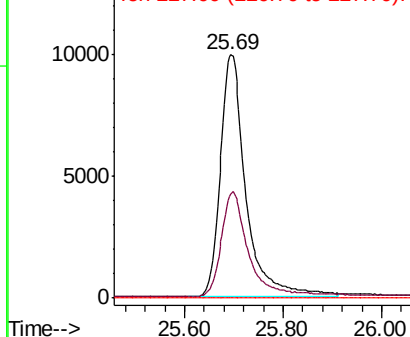
276 100

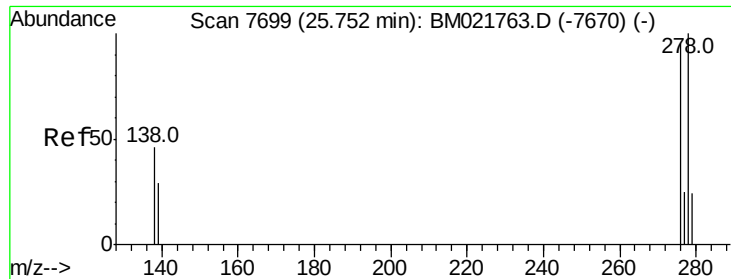
138 45.4 35.1 52.7

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

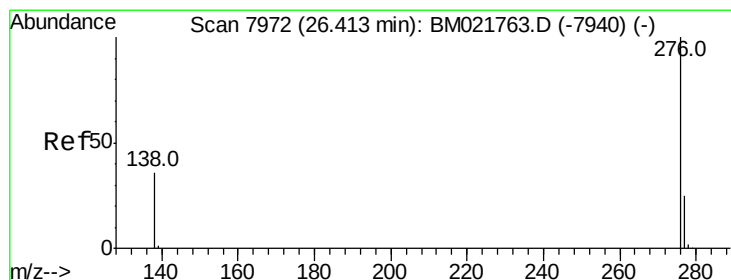
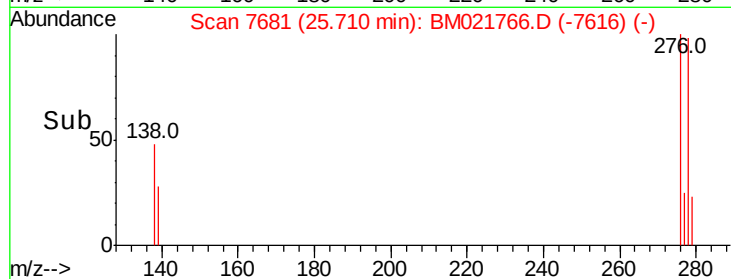
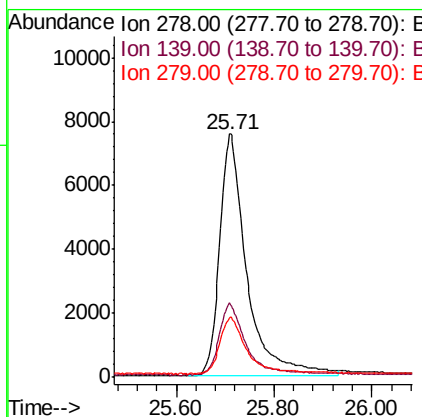
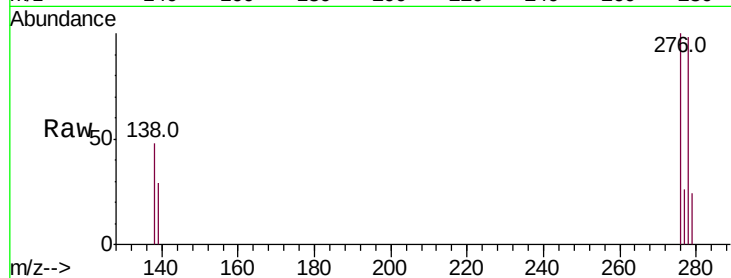




#25
Dibenzo(a,h)anthracene
Concen: 3.320 ng/ul
RT: 25.71 min Scan# 7681
Delta R.T. -0.04 min
Lab File: BM021766.D
Acq: 02 Aug 2019 20:22

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 29276
Ion Ratio Lower Upper
278 100
139 29.6 31.6 47.4#
279 24.8 34.2 51.2#



#26
Benzo(g,h,i)perylene
Concen: 2.987 ng/ul
RT: 26.38 min Scan# 7958
Delta R.T. -0.03 min
Lab File: BM021766.D
Acq: 02 Aug 2019 20:22

Tgt Ion:276 Resp: 32202
Ion Ratio Lower Upper
276 100
138 40.2 36.0 54.0
277 24.1 24.4 36.6#

